EMERGENCY RESPONSE REPORT

FOR

CROP PRODUCTION SERVICES
8050 BRYAN ROAD
ROANOKE, JEFFERSON DAVIS PARISH, LOUISIANA

Prepared for

U.S. Environmental Protection Agency Region 6
Linda Carter, Project Officer
1445 Ross Avenue
Dallas, Texas 75202

Contract No. EP-W-06-042
TDD No. TO-0001-09-08-04
WESTON W.O. No. 20406.012.001.0463.01
NRC No. N/A
FPN: N/A
CERCLIS ID: N/A
EPA OSC: William Rhotenberry
START-3 PTL: Robert Sherman

Submitted by

Weston Solutions, Inc.
Robert Beck, VP, P.E., Program Manager
70 NE Loop 410, Suite 600
San Antonio, Texas 78216
(210) 308-4300

29 October 2009

PROJECT SUMMARY

This final report describes the United States Environmental Protection Agency (EPA) response actions for the Crop Production Services response. The response occurred at a property owned by Crop Production Services located north of Roanoke, Jefferson Davis Parish, Louisiana. The detailed report follows this page, and all attachments are provided as separate portable document format (PDF) files.

The Louisiana Department of Environmental Quality (LDEQ) notified the EPA of chemicals stored in potentially unsafe conditions inside of a building located north of the town of Roanoke, Jefferson Davis Parish, Louisiana. EPA tasked Weston Solutions, Inc. (WESTON®), the EPA Region 6 Superfund Technical Assessment and Response Team (START-3) contractor, to respond to the incident, document response activities, and verify that the property owner was addressing the situation. On 13 August 2009, START-3 member Robert Sherman responded to the incident and met with EPA On-scene Coordinator (OSC) William Rhotenberry; provided written and photographic documentation of response activities; and coordinated response activities with LDEQ, the Civil Support Team (CST), and Louisiana State Police (LSP). START-3 procured laboratory services to analyze seven samples collected by LSP investigators.

This final report was prepared by Weston Solutions, Inc. under Contract No. EP-W-06-042 for EPA Region 6. The Task Monitor was EPA OSC William Rhotenberry, and the START-3 Project Team Leader (PTL) was Robert Sherman.

☐ The EPA Task Monitor did not provide final approval of this report prior to the completion date of the work assignment. Therefore, Weston Solutions, Inc. has submitted this report absent the Task Monitor's approval.

☒ The EPA Task Monitor has provided final approval of this report. Therefore, Weston Solutions, Inc. has submitted this report with the Task Monitor's approval.

TABLE OF CONTENTS

1. PROJECT IDENTIFICATION

Date: 29 October 2009

To: William Rhotenberry, On-Scene Coordinator (OSC)
U.S. Environmental Protection Agency (EPA)
Region 6, Prevention and Response Branch

Through: Linda Carter, Project Officer (PO)
EPA Region 6, Program Management Branch

Through: Robert Beck, VP, P.E., Weston Solutions, Inc. (WESTON®)
EPA Region 6, Superfund Technical Assessment and Response Team (START-3)
Program Manager

From: Robert Sherman, WESTON
EPA Region 6, START-3 Project Team Leader

Subject: Emergency Response Report: Crop Production Services
8050 Bryan Road
Roanoke, Jefferson Davis Parish, Louisiana
Contract No. EP-W-06-042
TDD No. TO-0001-09-08-04
W.O. No. 20406.012.001.0463.01
NRC No. NA
FPN: N/A
CERCLIS ID: N/A
Latitude: 30. 320674° North
Longitude: 92.741615° West

Geographic coordinates of the incident location were determined by START-3 members using Geographic Information System (GIS) software based on the World Geodetic System-1984.

2. INTRODUCTION

The Louisiana Department of Environmental Quality (LDEQ) notified the United States Environmental Protection Agency (EPA) Region 6 Prevention and Response Branch (PRB) of chemicals stored in potentially unsafe conditions inside of a building located north of the town of Roanoke, Jefferson Davis Parish, Louisiana (Attachments A and B). The EPA activated Weston Solutions, Inc. (WESTON®), the EPA Region 6 Superfund Technical Assessment and Response Team (START-3) contractor, to respond to the incident. START-3 was tasked to observe and

document response activities; verify that the landowner was addressing the situation, and coordinate with other responding agencies. EPA On-Scene Coordinator (OSC) William Rhotenberry mobilized to the response to provide assistance to the responding agencies.

3. BACKGROUND

Crop Production Services, Inc. (CPS) is the owner of a warehouse at 8050 Bryan Road near Roanoke, Louisiana. At the time of this incident, the warehouse was rented to Stillwater Resources, also known as TL2 Gas, who packaged chemicals under contract to the U.S. Department of Defense. According to LDEQ, the company mixed a specific chemical recipe and packaged it into cylinders for shipment to the Aberdeen Proving Grounds (APG) in Aberdeen, Maryland. The cylinders were then returned to Stillwater/TL2 Gas from APG. LDEQ stated that it was unclear whether the cylinders were returned completely empty. CPS notified the Louisiana Department of Environmental Quality (LDEQ) that Stillwater/TL2 Gas had stopped paying rent and had abandoned the Bryan Road facility. CPS contracted Clean Harbors to conduct an assessment at the facility in July 2009. According to the Clean Harbors report, approximately 600 cylinders were located at the CPS warehouse. Chemicals in the cylinders included hydrogen cyanide, arsenic pentafluoride, and phosgene. Clean Harbors reported that many of the cylinders were in poor condition. Following receipt of the Clean Harbors report, CPS forwarded the document to LDEQ who contacted LSP and EPA to inform them of the warehouse and its contents.

4. ACTIONS TAKEN

At 1800 hours on 12 August 2009, EPA OSC William Rhotenberry and START-3 Robert Sherman and attended a briefing with LSP, LDEQ, and the 62nd Louisiana Civil Support Team (CST) in Jennings, Louisiana. The LSP was the lead agency due to the potential hazard to the public. The LSP discussed the background and potential hazards of the site and the work proposed for the following day. The LSP planned to conduct an assessment of the facility to verify the Clean Harbors description of the building and to assess the hazards.

On 13 August 2009, EPA, START-3, LDEQ, LSP, and CST traveled to the site located at the intersection of Louisiana Highway 395 and Bryan Road, approximately 5 miles north of

Roanoke, Jefferson Davis Parish, Louisiana. The facility is surrounded by rice and sugar cane fields. The facility consists of a sheet-metal warehouse building, a wood-frame office building, and a barn. The site is not fenced.

The CST set up a decontamination line and support zones. Level A entry teams consisting of LSP, LDEQ, and CST personnel entered the sheet-metal warehouse building to conduct air monitoring and to assess the conditions inside. The entry teams did not report any elevated readings inside of the building; however, they did note cylinders in poor condition, confirming the Clean Harbors report.

LDEQ conducted perimeter air monitoring at several locations within 0.5 miles around the site. LDEQ monitored for volatile organic vapors and several gases including cyanide and chlorine and reported no readings above background.

CPS reported to EPA OSC Rhotenberry that they would contract Clean Harbors to conduct an emergency cleanup beginning on Monday, 17 August 2009, and that LSP and LDEQ would be present to monitor the cleanup activities. EPA OSC Rhotenberry released START-3.

EPA OSC Rhotenberry tasked START-3 to procure laboratory services to analyze samples collected by the LSP. On 20 August 2009, START-3 member Erik Hadwin retrieved seven samples that had been collected by LSP for evidence. Six of the samples were collected from drums, and one sample, labeled “back room,” was collected from solid material on the floor. Four of the drum samples were liquid, and two of the drum samples and the back room sample were solid material. The samples were analyzed for pH, reactive cyanides, and total cyanides.

On 20 August 2009, LDEQ reported to START-3 that Clean Harbors had remediated the immediate hazard by removing the cylinders that were in poor condition. Some chemicals and cylinders remained in the warehouse building and were to be addressed at a later date. According to EPA OSC Rhotenberry, Crop Production Services, Inc. would complete the remaining site remediation activities.

This final report was prepared as part of the requirements of Technical Direction Document (TDD) No. TO-0001-09-08-04 and serves as documentation of work completed to date.

5. LIST OF ATTACHMENTS

A. Site Location Map

B. Site Area Map

C. Analytical Results and Data Validation Report

D. START-3 Site Logbook

E. Pollution Reports (POLREPs)

F. Digital Photographs

G. TDD No. TO-0001-09-08-04 and Amendment A

ATTACHMENT A

SITE LOCATION MAP

N

US EPA REGION 6
START-3

ATTACHMENT A
SITE LOCATION MAP
CROP PRODUCTION SERVICES
8050 BRYAN ROAD
ROANOKE, JEFFERSON DAVIS PARISH, LOUISIANA

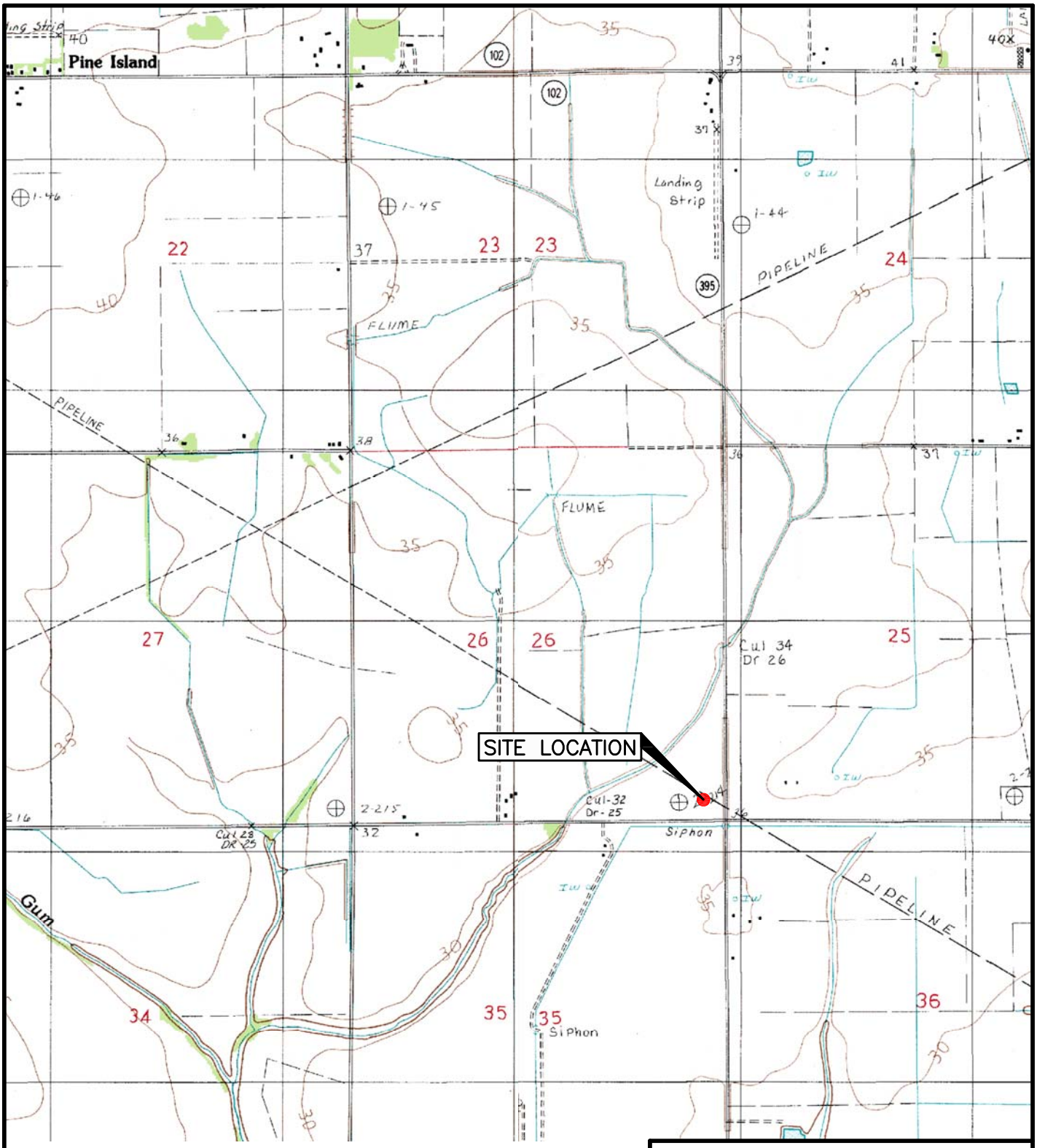
SOURCE: MICROSOFT STREETS 2005.
TDD No.: TO-0001-09-08-04

DATE:	W.O. #	SCALE:
OCT 09	20406.012.001.0463.01	NOT TO SCALE

H:\START III EPA\0463_Crop Production Services\1006091608.dwg Oct 27, 2009 - 2:53pm

ATTACHMENT B

SITE AREA MAP



SOURCE: USGS 7.5 MINUTE SERIES TOPOGRAPHIC, WELSH NORTH AND HATHAWAY, LOUISIANA.
TDD No.: TO-0001-09-08-04

US EPA REGION 6
START-3

ATTACHMENT B
SITE AREA MAP
CROP PRODUCTION SERVICES
8050 BRYAN ROAD
ROANOKE, JEFFERSON DAVIS PARISH, LOUISIANA

DATE:	W.O. #	SCALE:
OCT 09	20406.012.001.0463.01	AS SHOWN

H:\START III EPA\0463_Crop Production Services\1006091559.dwg Oct 27, 2009 – 2:53pm

ATTACHMENT C

ANALYTICAL RESULTS AND DATA VALIDATION REPORT

DATA QUALITY ASSURANCE REVIEW

SITE NAME Crop Production Services

CERCLIS

WORK ORDER NUMBER 20406.012.001.0463.01 TDD NUMBER TO-0001-09-08-04

PROJECT NUMBER SDG NUMBER 209082108

Weston Solutions, Inc. (WESTON®) has completed a QA review for Work Order Number 20406.012.001.0463.01, SDG No. 209082108, Crop Production Services. Seven samples were analyzed for cyanide, reactive cyanide and/or pH by Gulf Coast Analytical Laboratories, Inc (GCAL). Sample numbers are listed below.

SAMPLE NUMBERS

DRUM 1	DRUM 7	BACK ROOM
DRUM 2	DRUM 3	DRUM 5
DRUM 6		

This data package was validated to determine if Quality Control (QC) specifications were achieved, following *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review* (October, 1999), *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review* (July, 2002), *USEPA Contract Laboratory Program National Functional Guidelines for Chlorinated Dioxin/Furan Data Review* (August, 2002), *Quality Assurance/Quality Control Guidance for Removal Activities* (April, 1990), and the Regional Protocol for Holding Times, Blanks, and VOA Preservation (April 13, 1989). Specific data qualifications are listed in the following discussion.

REVIEWER Gloria J. Switalski DATE September 29, 2009

Data Qualifiers

Data Qualifier Definitions were supplied by the Office of Solid Waste and Emergency Response (September 1989) and are included in the Functional Guidelines. Data qualifiers may be combined (UJ, QJ) with the corresponding combination of meanings. Additional qualifier may be added to provide additional, more specific information (JL, UB, QJK), modifying the meaning of the primary qualifier. Addition qualifiers utilized by WESTON are H, L, K, B, Q, and D.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation or detection limit, which has been adjusted for sample weight/sample volume, extraction volume, percent solids, sample dilution or other analysis specific parameters.

An additional qualifier, "B", may be appended to indicate that while the analyte was detected in the sample, the presence of the analyte may be attributable to blank contamination and the analyte is therefore considered undetected with the sample detection or quantitation limit for the analyte being elevated.

J - The analyte was analyzed for, but the associated numerical value may not be consistent with the amount actually present in the environmental sample or may not be consistent with the sample detection or quantitation limit. The value is an estimated quantity. The data should be seriously considered for decision-making and are usable for many purposes.

An additional qualifier will be appended to the "J" qualifier that indicates the bias in the reported results:

L Low bias

H High bias

K Unknown bias

Q The reported concentration is less than the sample quantitation limit for the specific analyte in the sample.

The L and H qualifier will only be employed when a single qualification is required. When more than one quality control parameter affects the analytical result and a conflict results in assigning a bias, the result will be flagged JK.

R - Quality Control indicates that data are unusable for all purposes. The analyte was analyzed for, but the presence or absence of the analyte has not been verified. Resampling and reanalysis are necessary for verification to confirm or deny the presence of an analyte.

N - The analysis indicates the presence of analyte for which there is presumptive evidence to make a "tentative identification."

D - The concentration reported was determined in the re-analysis of the sample at a secondary dilution.

INORGANIC DATA EVALUATION

1. Analytical Method:

Samples were prepared and analyzed using the procedures specified in **SW-846 Method 9012A** for total cyanide**; SW-846 Chapter 7.3.3.2** for reactive cyanide**;** and **SM 4500 H+B/SW-846 Methods 9040A** for pH**.**

2. Holding Times:

All samples met established holding time criteria for total cyanide, reactive cyanide, and pH with the following exceptions. Liquid samples DRUM 2, DRUM 3, DRUM 5, and DRUM 6 were distilled three days beyond the holding time for total cyanide since the original distillation may have been saturated. In addition, due to the sample matrix, the liquid samples for cyanide were not received at pH >12. Liquid samples DRUM 2, DRUM 3, DRUM 5, and DRUM 6 were not analyzed "immediately" for pH. No qualifications are placed on the cyanide or pH data for liquid samples DRUM 2, DRUM 3, DRUM 5, and DRUM 6 since these are waste samples and holding time criteria do not apply since the samples had been maintained in the drums for an unknown period of time.

3. Calibration:

Cyanide initial calibration included a blank and at least three standards and initial calibration verification results fell within the control limits of 85% to 115% of the true value. Correlation coefficients for cyanide were greater than 0.995. No qualifications are placed on the data.

4. Continuing Calibration:

All cyanide results fell within the control limits of 85% to 115% of the true value. No qualifications are placed on the data.

5. Blanks:

A. Laboratory Blanks:

No target analytes were detected in calibration and preparation blanks associated with this analytical package. No qualifications are placed on the data.

B. Field Blanks:

No field blanks were submitted with this analytical package. No qualifications are placed on the data.

6. Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD):

The recoveries for the LCS and/or LCS/LCSD were within the established control limits. No qualifications are placed on the data.

7. Duplicate Sample Analysis:

A. Laboratory Duplicate Analysis:

Sample DRUM 1 underwent duplicate analysis for the solid matrix for total cyanide and reactive cyanide. Sample DRUM 2 underwent duplicate analysis for the liquid matrix for pH. The Relative Percent Difference (RPD) values for the duplicate sample analysis were within QC criteria of less than 20% for aqueous samples and less than 35% for solid/waste samples for concentrations greater than five times the reporting limit (RL). For sample concentrations less than five times the RL, the QC criteria are within ± the RL for the aqueous matrix or ± two times the RL for the solid/waste matrix. No qualifications are placed on the data.

B. Field Duplicate Analysis:

No field duplicate samples were submitted with this analytical package. No qualifications are placed on the data.

8. Spiked Sample Analysis:

Sample DRUM 1 underwent matrix spike analysis for the solid matrix for total cyanide. The sample concentration exceeded the spike concentration by a factor of 4 times or more. No qualifications are placed on the data.

9. Sample Quantitation and Reporting Limits:

Concentrations of all reported analytes were correctly calculated.

All solid samples were analyzed at a 50-fold dilution for total cyanide, all liquid samples were analyzed at a 10, 20, or 100-fold dilution for total cyanide, and all solid samples were analyzed at a 10-fold dilution for reactive cyanide due to sample matrix. Reporting limits in these samples are elevated as a result of the dilutions performed.

10. Laboratory Contact

No laboratory contact was required.

11. Overall Assessment:

The analytical data is acceptable for use with no qualifications.

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20908210801	DRUM 1	Solid	08/18/2009 13:00	08/20/2009 16:31

SW-846 9012A Reactivity CN

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
08/26/2009 10:00	417278	7.3.3.2	10	08/27/2009 09:21	AEL	417471

CAS#	Parameter	Result	RDL	REG LIMIT	Units
57-12-5R	Reactivity Cyanide	ND	1000		mg/kg

SW-846 9012A Cyanide

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
08/24/2009 12:30	417277	SW-846 9012A	50	08/27/2009 10:54	AEL	417479

CAS#	Parameter	Result	RDL	REG LIMIT	Units
57-12-5	Total Cyanide	4760	50.0		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

9/28/9

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20908210802	DRUM 7	Solid	08/18/2009 14:15	08/20/2009 16:31

SW-846 9012A Reactivity CN

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
08/26/2009 10:00	417278	7.3.3.2	10	08/27/2009 09:23	AEL	417471

CAS#	Parameter	Result	RDL	REG LIMIT	Units
57-12-5R	Reactivity Cyanide	ND	1000		mg/kg

SW-846 9012A Cyanide

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
08/24/2009 12:30	417277	SW-846 9012A	50	08/27/2009 10:56	AEL	417479

CAS#	Parameter	Result	RDL	REG LIMIT	Units
57-12-5	Total Cyanide	3980	50.0		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

9/8/09

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20908210803	BACK ROOM	Solid	08/19/2009 14:30	08/20/2009 16:31

SW-846 9012A Reactivity CN

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
08/26/2009 10:00	417278	7.3.3.2	10	08/27/2009 09:24	AEL	417471

CAS#	Parameter	Result	RDL	REG LIMIT	Units
57-12-5R	Reactivity Cyanide	ND	1000		mg/kg

SW-846 9012A Cyanide

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
08/24/2009 12:30	417277	SW-846 9012A	50	08/27/2009 10:57	AEL	417479

CAS#	Parameter	Result	RDL	REG LIMIT	Units
57-12-5	Total Cyanide	3900	50.0		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

SS 9/8/09

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20908210804	DRUM 2	Water	08/18/2009 13:15	08/20/2009 16:31

SW-846 9012A Cyanide

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
09/04/2009 13:00	418045	SW-846 9012A	10	09/04/2009 16:29	AEL	418050

CAS#	Parameter	Result	RDL	REG LIMIT	Units
57-12-5	Total Cyanide	270	25.0		mg/L

SW-846 9012A Reactivity CN

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
09/04/2009 14:45	418041	7.3.3.2	1	09/04/2009 16:43	AEL	418057

CAS#	Parameter	Result	RDL	REG LIMIT	Units
57-12-5R	Reactivity Cyanide	ND	250		mg/L

SM 4500 H+B/SW-846 9040A pH

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	08/21/2009 11:00	JPA	417204

CAS#	Parameter	Result	RDL	REG LIMIT	Units
pH	pH	<1	1.00	12.5	pH unit

9/28/09

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20908210805	DRUM 3	Water	08/18/2009 13:30	08/20/2009 16:31

SW-846 9012A Cyanide

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
09/04/2009 13:00	418045	SW-846 9012A	20	09/04/2009 16:40	AEL	418050

CAS#	Parameter	Result	RDL	REG LIMIT	Units
57-12-5	Total Cyanide	1570	50.0		mg/L

SW-846 9012A Reactivity CN

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
09/04/2009 14:45	418041	7.3.3.2	1	09/04/2009 16:44	AEL	418057

CAS#	Parameter	Result	RDL	REG LIMIT	Units
57-12-5R	Reactivity Cyanide	ND	250		mg/L

SM 4500 H+B/SW-846 9040A pH

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	08/21/2009 11:00	JPA	417204

CAS#	Parameter	Result	RDL	REG LIMIT	Units
pH	pH	<1	1.00	12.5	pH unit

9/8/09

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20908210806	DRUM 5	Water	08/18/2009 13:45	08/20/2009 16:31

SW-846 9012A Cyanide

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
09/04/2009 13:00	418045	SW-846 9012A	20	09/04/2009 16:41	AEL	418050

CAS#	Parameter	Result	RDL	REG LIMIT	Units
57-12-5	Total Cyanide	2040	50.0		mg/L

SW-846 9012A Reactivity CN

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
09/04/2009 14:45	418041	7.3.3.2	1	09/04/2009 16:46	AEL	418057

CAS#	Parameter	Result	RDL	REG LIMIT	Units
57-12-5R	Reactivity Cyanide	ND	250		mg/L

SM 4500 H+B/SW-846 9040A pH

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	08/21/2009 11:00	JPA	417204

CAS#	Parameter	Result	RDL	REG LIMIT	Units
pH	pH	<1	1.00	12.5	pH unit

9/28/09

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20908210807	DRUM 6	Water	08/18/2009 14:00	08/20/2009 16:31

SW-846 9012A Cyanide

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
09/04/2009 13:00	418045	SW-846 9012A	100	09/04/2009 16:42	AEL	418050

CAS#	Parameter	Result	RDL	REG LIMIT	Units
57-12-5	Total Cyanide	6820	250		mg/L

SW-846 9012A Reactivity CN

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
09/04/2009 14:45	418041	7.3.3.2	1	09/04/2009 16:47	AEL	418057

CAS#	Parameter	Result	RDL	REG LIMIT	Units
57-12-5R	Reactivity Cyanide	ND	250		mg/L

SM 4500 H+B/SW-846 9040A pH

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	08/21/2009 11:00	JPA	417204

CAS#	Parameter	Result	RDL	REG LIMIT	Units
pH	pH	<1	1.00	12.5	pH unit

9/8/09

GCAL
GULF COAST ANALYTICAL LABORATORIES, INC

NELAP CERTIFICATE NUMBER 01955

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 09/08/2009

GCAL Report 209082108

Deliver To	Weston Solutions, Inc. 5599 San Felipe Suite 700 Houston, TX 77056 713-985-6636
Attn	Kristie Kettler

Customer Weston Solutions, Inc.

Project Crop Production Services

CASE NARRATIVE

Client: Weston Solutions, Inc. **Report:** 209082108

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

CONVENTIONALS

In the SW-846 9012A (Total Cyanide) analysis, all samples had to be diluted in order to bracket the concentration within the calibration range of the instrument.

In the SW-846 9012A (Reactive Cyanide) analysis, all solid samples had to be diluted to bracket the concentrations within the calibration range of the instrument. All results are reported as ND due to the elevated reporting limit used for reactive cyanide.

In the SW-846 9012A (Total Cyanide) analysis for prep batch 417277, the MS recovery is not applicable because the spike was diluted out of the sample. The LCS recoveries are acceptable.

The four water samples were originally prepped with an initial volume of 5 mL. The water sample results were elevated and very similar to each other. Consequently, it was suspected that the distillate catch solution was saturated. The water samples were re-prepped 3 days outside the 14-day holding time with an initial volume of 1 mL. The samples had been stored in a cooler at 4° ± 2°C since the original prep date. The re-analysis results are higher than the original results. For both runs (original distillate and re-prepped distillates), all instrument QC and batch QC (with the exception of the MS noted above) were within the acceptable criteria ranges. For the water samples, the re-analysis results are reported.

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates an estimated value
U	Indicates the compound was analyzed for but not detected
B	(ORGANICS) Indicates the analyte was detected in the associated Method Blank
B	(INORGANICS) Indicates the result is between the RDL and MDL

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with ISO Guide 25 and NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Robyn Migues
Technical Director
GCAL REPORT 209082108

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20908210801	DRUM 1	Solid	08/18/2009 13:00	08/20/2009 16:31
20908210802	DRUM 7	Solid	08/18/2009 14:15	08/20/2009 16:31
20908210803	BACK ROOM	Solid	08/19/2009 14:30	08/20/2009 16:31
20908210804	DRUM 2	Water	08/18/2009 13:15	08/20/2009 16:31
20908210805	DRUM 3	Water	08/18/2009 13:30	08/20/2009 16:31
20908210806	DRUM 5	Water	08/18/2009 13:45	08/20/2009 16:31
20908210807	DRUM 6	Water	08/18/2009 14:00	08/20/2009 16:31

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20908210801	DRUM 1	Solid	08/18/2009 13:00	08/20/2009 16:31

SW-846 9012A Reactivity CN

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
08/26/2009 10:00	417278	7.3.3.2	10	08/27/2009 09:21	AEL	417471

CAS#	Parameter	Result	RDL	REG LIMIT	Units
57-12-5R	Reactivity Cyanide	ND	1000		mg/kg

SW-846 9012A Cyanide

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
08/24/2009 12:30	417277	SW-846 9012A	50	08/27/2009 10:54	AEL	417479

CAS#	Parameter	Result	RDL	REG LIMIT	Units
57-12-5	Total Cyanide	4760	50.0		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20908210802	**DRUM** 7	Solid	08/18/2009 14:15	08/20/2009 16:31

SW-846 9012A Reactivity CN

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
08/26/2009 10:00	417278	7.3.3.2	10	08/27/2009 09:23	AEL	417471

CAS#	Parameter	Result	RDL	REG LIMIT	Units
57-12-5R	Reactivity Cyanide	ND	1000		mg/kg

SW-846 9012A Cyanide

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
08/24/2009 12:30	417277	SW-846 9012A	50	08/27/2009 10:56	AEL	417479

CAS#	Parameter	Result	RDL	REG LIMIT	Units
57-12-5	Total Cyanide	3980	50.0		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20908210803	BACK ROOM	Solid	08/19/2009 14:30	08/20/2009 16:31

SW-846 9012A Reactivity CN

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
08/26/2009 10:00	417278	7.3.3.2	10	08/27/2009 09:24	AEL	417471

CAS#	Parameter	Result	RDL	REG LIMIT	Units
57-12-5R	Reactivity Cyanide	ND	1000		mg/kg

SW-846 9012A Cyanide

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
08/24/2009 12:30	417277	SW-846 9012A	50	08/27/2009 10:57	AEL	417479

CAS#	Parameter	Result	RDL	REG LIMIT	Units
57-12-5	Total Cyanide	3900	50.0		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20908210804	DRUM 2	Water	08/18/2009 13:15	08/20/2009 16:31

SW-846 9012A Cyanide

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
09/04/2009 13:00	418045	SW-846 9012A	10	09/04/2009 16:29	AEL	418050

CAS#	Parameter	Result	RDL	REG LIMIT	Units
57-12-5	Total Cyanide	270	25.0		mg/L

SW-846 9012A Reactivity CN

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
09/04/2009 14:45	418041	7.3.3.2	1	09/04/2009 16:43	AEL	418057

CAS#	Parameter	Result	RDL	REG LIMIT	Units
57-12-5R	Reactivity Cyanide	ND	250		mg/L

SM 4500 H+B/SW-846 9040A pH

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	08/21/2009 11:00	JPA	417204

CAS#	Parameter	Result	RDL	REG LIMIT	Units
pH	pH	<1	1.00	12.5	pH unit

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20908210805	DRUM 3	Water	08/18/2009 13:30	08/20/2009 16:31

SW-846 9012A Cyanide

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
09/04/2009 13:00	418045	SW-846 9012A	20	09/04/2009 16:40	AEL	418050

CAS#	Parameter	Result	RDL	REG LIMIT	Units
57-12-5	Total Cyanide	1570	50.0		mg/L

SW-846 9012A Reactivity CN

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
09/04/2009 14:45	418041	7.3.3.2	1	09/04/2009 16:44	AEL	418057

CAS#	Parameter	Result	RDL	REG LIMIT	Units
57-12-5R	Reactivity Cyanide	ND	250		mg/L

SM 4500 H+B/SW-846 9040A pH

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	08/21/2009 11:00	JPA	417204

CAS#	Parameter	Result	RDL	REG LIMIT	Units
pH	pH	<1	1.00	12.5	pH unit

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20908210806	**DRUM 5**	Water	08/18/2009 13:45	08/20/2009 16:31

SW-846 9012A Cyanide

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
09/04/2009 13:00	418045	SW-846 9012A	20	09/04/2009 16:41	AEL	418050

CAS#	Parameter	Result	RDL	REG LIMIT	Units
57-12-5	Total Cyanide	**2040**	**50.0**		**mg/L**

SW-846 9012A Reactivity CN

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
09/04/2009 14:45	418041	7.3.3.2	1	09/04/2009 16:46	AEL	418057

CAS#	Parameter	Result	RDL	REG LIMIT	Units
57-12-5R	Reactivity Cyanide	ND	250		mg/L

SM 4500 H+B/SW-846 9040A pH

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	08/21/2009 11:00	JPA	417204

CAS#	Parameter	Result	RDL	REG LIMIT	Units
pH	pH	<1	1.00	12.5	pH unit

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20908210807	DRUM 6	Water	08/18/2009 14:00	08/20/2009 16:31

SW-846 9012A Cyanide

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
09/04/2009 13:00	418045	SW-846 9012A	100	09/04/2009 16:42	AEL	418050

CAS#	Parameter	Result	RDL	REG LIMIT	Units
57-12-5	Total Cyanide	6820	250		mg/L

SW-846 9012A Reactivity CN

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
09/04/2009 14:45	418041	7.3.3.2	1	09/04/2009 16:47	AEL	418057

CAS#	Parameter	Result	RDL	REG LIMIT	Units
57-12-5R	Reactivity Cyanide	ND	250		mg/L

SM 4500 H+B/SW-846 9040A pH

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	08/21/2009 11:00	JPA	417204

CAS#	Parameter	Result	RDL	REG LIMIT	Units
pH	pH	<1	1.00	12.5	pH unit

General Chemistry Quality Control Summary

Analytical Batch 417471	**Client ID**	MB417278			LCS417278		
Prep Batch 417278	**GCAL ID**	753742			753743		
Prep Method 7.3.3.2	**Sample Type**	Method Blank			LCS		
	Prep Date	08/26/2009 10:00			08/26/2009 10:00		
	Analytical Date	08/27/2009 09:07			08/27/2009 09:08		
	Matrix	Solid			Solid		
SW-846 9012A Reactivity CN	**Units**	mg/kg	**Spike**	**Result**		**Control**	
	Result	**RDL**	**Added**		**% R**	**Limits % R**	
57-12-5R Reactivity Cyanide	ND	10.0	250	17.7	7	1 - 25	

Analytical Batch 417471	**Client ID**	DRUM 1	753003DUP			
Prep Batch 417278	**GCAL ID**	20908210801	753744			
Prep Method 7.3.3.2	**Sample Type**	SAMPLE	DUP			
	Prep Date	08/26/2009 10:00	08/26/2009 10:00			
	Analytical Date	08/27/2009 09:21	08/27/2009 09:22			
	Matrix	Solid	Solid			
SW-846 9012A Reactivity CN	**Units**	mg/kg	**Result**		**RPD**	
	Result	**RDL**		**RPD**	**Limit**	
57-12-5R Reactivity Cyanide	904	1000	908	0.4	25	

Analytical Batch 417479	**Client ID**	MB417277			LCS417277		
Prep Batch 417277	**GCAL ID**	753737			753738		
Prep Method SW-846 9012A	**Sample Type**	Method Blank			LCS		
	Prep Date	08/24/2009 12:30			08/24/2009 12:30		
	Analytical Date	08/27/2009 10:51			08/27/2009 10:52		
	Matrix	Solid			Solid		
SW-846 9012A Cyanide	**Units**	mg/kg	**Spike**	**Result**		**Control**	
	Result	**RDL**	**Added**		**% R**	**Limits % R**	
57-12-5 Total Cyanide	ND	0.1000	1.00	0.8950	90	80 - 120	

General Chemistry Quality Control Summary

Analytical Batch	417479	**Client ID**	MB417277			LCSHI417277		
Prep Batch	417277	**GCAL ID**	753737			753739		
Prep Method	SW-846 9012A	**Sample Type**	Method Blank			LCSHI		
		Prep Date	08/24/2009 12:30			08/24/2009 12:30		
		Analytical Date	08/27/2009 10:51			08/27/2009 10:53		
		Matrix	Solid			Solid		
SW-846 9012A Cyanide		**Units**	mg/kg	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
57-12-5	Total Cyanide	ND	0.1000	5.00	4.30	86	79.5 -120.4	

Analytical Batch	417479	**Client ID**	DRUM 1			753003MS		
Prep Batch	417277	**GCAL ID**	20908210801			753740		
Prep Method	SW-846 9012A	**Sample Type**	SAMPLE			MS		
		Prep Date	08/24/2009 12:30			08/24/2009 12:30		
		Analytical Date	08/27/2009 10:54			08/27/2009 10:54		
		Matrix	Solid			Solid		
SW-846 9012A Cyanide		**Units**	mg/kg	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
57-12-5	Total Cyanide	4760	50.0	100	5400	635*	60 - 120	

Analytical Batch	417479	**Client ID**	DRUM 1			753003DUP		
Prep Batch	417277	**GCAL ID**	20908210801			753741		
Prep Method	SW-846 9012A	**Sample Type**	SAMPLE			DUP		
		Prep Date	08/24/2009 12:30			08/24/2009 12:30		
		Analytical Date	08/27/2009 10:54			08/27/2009 10:55		
		Matrix	Solid			Solid		
SW-846 9012A Cyanide		**Units**	mg/kg	**Result**		**RPD**		
		Result	**RDL**			**RPD**	**Limit**	
57-12-5	Total Cyanide	4760	50.0	4870		2	25	

General Chemistry Quality Control Summary

Analytical Batch	418050	Client ID	MB418045			LCS418045		
Prep Batch	418045	GCAL ID	757536			757537		
Prep Method	SW-846 9012A	Sample Type	Method Blank			LCS		
		Prep Date	09/04/2009 13:00			09/04/2009 13:00		
		Analytical Date	09/04/2009 16:26			09/04/2009 16:26		
		Matrix	Water			Water		
SW-846 9012A Cyanide		Units / Result	mg/L / RDL	Spike Added	Result	% R	Control Limits % R	
57-12-5	Total Cyanide	ND	2.50	10.0	10.6	106	80 - 120	

Analytical Batch	418050	Client ID	MB418045			LCSHI418045		
Prep Batch	418045	GCAL ID	757536			757538		
Prep Method	SW-846 9012A	Sample Type	Method Blank			LCSHI		
		Prep Date	09/04/2009 13:00			09/04/2009 13:00		
		Analytical Date	09/04/2009 16:26			09/04/2009 16:27		
		Matrix	Water			Water		
SW-846 9012A Cyanide		Units / Result	mg/L / RDL	Spike Added	Result	% R	Control Limits % R	
57-12-5	Total Cyanide	ND	2.50	50.0	46.8	94	80 - 120	

Analytical Batch	418057	Client ID	MB418041			LCS418041			LCSD418041			
Prep Batch	418041	GCAL ID	757525			757526			757527			
Prep Method	7.3.3.2	Sample Type	Method Blank			LCS			LCSD			
		Prep Date	09/04/2009 14:45			09/04/2009 14:45			09/04/2009 14:45			
		Analytical Date	09/04/2009 16:32			09/04/2009 16:33			09/04/2009 16:36			
		Matrix	Water			Water			Water			
SW-846 9012A Reactivity CN		Units / Result	mg/L / RDL	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD Limit	
57-12-5R	Reactivity Cyanide	ND	250	2500	112	4	1 - 20	116	5	4	20	

LACHAT STANDARD IDs

Analyst: AGZ
Date: 8-27-09
HBN # 417471/417472/417
Batch # 8063/8064/8065

CHLORIDE	300.0/9251
CCV Lot #	
CCV Expiration Date	
ICV/LCS Lot #	
ICV Expiration Date	
0.5M Ferric Nitrate Lot #	
Mercuric Thiocyanate Lot #	
Calibration Date	
Calibration Expiration Date	

CYANIDE	335.4/9012A
CCV Lot #	20900499
CCV Expiration Date	11-09
ICV/LCS Lot #	NA
ICV Expiration Date	NA
Phosphate Buffer Lot #	736-99-7
Pyridine-Barbituric Acid Lot #	20900568
Chloramine T Lot #	803-1-4
0.25N NaOH Lot #	803-1-2
Calibration Date	7-10-09
Calibration Expiration Date	11-09

PHENOLICS	420.4/9066
CCV Lot #	
CCV Expiration Date	
ICV/LCS Lot #	
ICV Expiration Date	
Phenol Buffer Lot #	
4-Aminoantipyrine Lot #	
Calibration Date	
Calibration Expiration Date	

TOTAL PHOSPHORUS	365.1
CCV Lot #	
CCV Expiration Date	
ICV/LCS Lot #	
ICV Expiration Date	
Ascorbic Acid Lot #	
0.11N H2SO4 Lot #	
Molybdate Color Lot #	
Calibration Date	
Calibration Expiration Date	

N+N/NITRATE/NITRITE	353.2
NO3 CCV Lot #	
CCV Expiration Date	
NO2 CCV Lot #	
CCV Expiration Date	
NO3 ICV/LCS Lot #	
ICV Expiration Date	
NO2 ICV/CCV Lot #	
ICV Expiration Date	
Ammonium Chloride Buffer	
Sulfanilamide Color Reagent	
N+N Calibration Date	
N+N Calibration Expiration Date	
NO2 Calibration Date	
NO2 Calibration Expiration Date	
Column Efficiency (90-110%)	
LCS NO3 / LCS NO2 X 100	

Reviewed By: Bmc 8/27/09

Revision 1: 5/2/07

Author: AEL

Date : 09/10/2009

Original Run Filename: OM_08-27-2009_09-04-34.OMN created 08/27/2009 09:04:34
Original Run Author's Signature: [AEL]
Current Run Filename: OM_08-27-2009_09-04-34.omn last modified 08/27/2009 09:32:25
Current Run Author's Signature: [AEL]
Description: Default New Run

Sample	Rep.	Channel 1 Cyanide~57-12-5 Conc. (mg/L)	Area (Vs)	Height (V)	Detection Time	MDF	
1800	1	0.0517	4.8241	0.2553	08/27/2009@09:05:20		103%
Known Conc:		0.0500					
Calibration:		Table/Fig. 1					
1900	1	-0.0027	-0.0697	-0.0172	08/27/2009@09:06:12		<
Known Conc:		0.0000					
753742 MB	1	-0.0021	-0.0122	-0.0032	08/27/2009@09:07:07		
753743 LCS	1	0.3533	3.3500	0.1720	08/27/2009@09:08:01	10.00	79%
~~20908210801~~	1	~~0.0840~~	88.5522	4.3206	08/27/2009@09:08:53	RP	above high std
~~753744~~	1	~~0.0865~~	88.7842	4.3292	08/27/2009@09:09:46	RP	
~~20908210802~~	1	~~0.0867~~	88.7950	4.3286	08/27/2009@09:10:38	RP	
~~20908210803~~	1	~~0.7069~~	63.6696	3.2276	08/27/2009@09:11:30		
753745 MB	1	-0.0160	-1.2591	-0.0022	08/27/2009@09:12:21		
753746 LCS	1	0.3666	3.4690	0.1825	08/27/2009@09:13:15	10.00	79%
~~20908210804~~	1	~~0.2965~~	~~26.8085~~	~~1.4231~~	~~08/27/2009@09:14:08~~	RP	
~~20908210805~~	1	~~0.7761~~	~~60.8703~~	~~3.5294~~	~~08/27/2009@09:15:01~~	RP	
1800	1	0.0538	5.0117	0.2689	08/27/2009@09:15:51		108%
Known Conc:		0.0500					
1900	1	-0.0020	-0.0032	0.0007	08/27/2009@09:16:45		<
Known Conc:		0.0000					
~~20908210806~~	1	~~0.5572~~	~~50.2190~~	~~2.5880~~	~~08/27/2009@09:17:44~~		
~~20908210807~~	1	~~0.5315~~	~~47.9140~~	~~2.4747~~	~~08/27/2009@09:18:39~~		
20908243005	1	-0.0018	0.0158	0.0019	08/27/2009@09:19:34		
753747 Dup	1	-0.0017	0.0283	0.0025	08/27/2009@09:20:33		
20908210801 R	1	1.8086	16.4212	0.8660	08/27/2009@09:21:24	10.00	905
753744 Dup	1	1.8165	16.4921	0.8700	08/27/2009@09:22:19	10.00	910
20908210802 R	1	1.8641	16.9193	0.8856	08/27/2009@09:23:18	10.00	930
20908210803 R	1	1.2742	11.6212	0.6140	08/27/2009@09:24:09	10.00	635
~~20908210804~~	~~1~~	~~0.4604~~	~~8.4486~~	~~0.4486~~	~~08/27/2009@09:25:02~~	~~5.00~~	RP
~~20908210805~~	~~1~~	~~1.3799~~	~~12.5702~~	~~0.6613~~	~~08/27/2009@09:25:56~~	~~10.00~~	RP
1800	1	0.0538	5.0102	0.2663	08/27/2009@09:26:49		108%
Known Conc:		0.0500					
1900	1	-0.0038	-0.1679	-0.0115	08/27/2009@09:27:40		<
Known Conc:		0.0000					
~~20908210806~~	~~1~~	~~1.0043~~	~~9.1973~~	~~0.4862~~	~~08/27/2009@09:28:31~~	~~10.00~~	RP
~~20908210807~~	~~1~~	~~0.9565~~	~~8.7675~~	~~0.4672~~	~~08/27/2009@09:29:26~~	~~10.00~~	RP
1800	1	0.0539	5.0218	0.2662	08/27/2009@09:30:18		108%
Known Conc:		0.0500					
1900	1	-0.0005	0.1348	0.0035	08/27/2009@09:31:09		<
Known Conc:		0.0000					

Reading x 5 x FV / IW

< 1000 mg/kg

RP- Reprep suspect contamination due to high concentration in solids

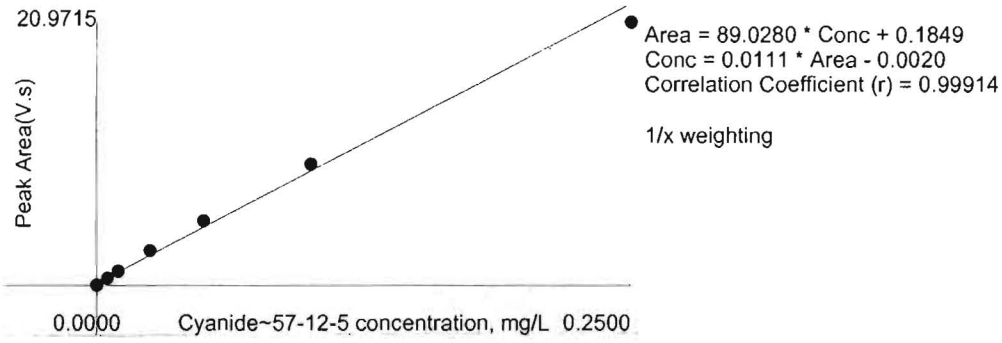
Table 1: Cyanide~57-12-5

	Conc. (mg/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	0.2500	1	20.9715	1.0796	6.6	07/10/2009	14:12:54
2	0.1000	1	9.6292	0.5057	-6.0	07/10/2009	14:13:43
3	0.0500	1	5.1507	0.2632	-11.1	07/10/2009	14:14:34
4	0.0250	1	2.7784	0.1449	-15.3	07/10/2009	14:15:24
5	0.0100	1	1.1526	0.0582	-7.2	07/10/2009	14:16:15
6	0.0050	1	0.5993	0.0299	4.9	07/10/2009	14:17:05
7	0.0000	1	0.0542	0.0015		07/10/2009	14:17:55

Author: AEL

Date : 09/10/2009

Figure 1: Cyanide~57-12-5



Area = 89.0280 * Conc + 0.1849
Conc = 0.0111 * Area - 0.0020
Correlation Coefficient (r) = 0.99914

1/x weighting

Author: AEL

Date : 08/27/2009

Original Run Filename: OM_08-27-2009_10-48-36.OMN created 08/27/2009 10:48:36
Original Run Author's Signature: [AEL]
Current Run Filename: OM_08-27-2009_10-48-36.OMN last modified 08/27/2009 11:00:38
Current Run Author's Signature: [AEL]
Description: Default New Run

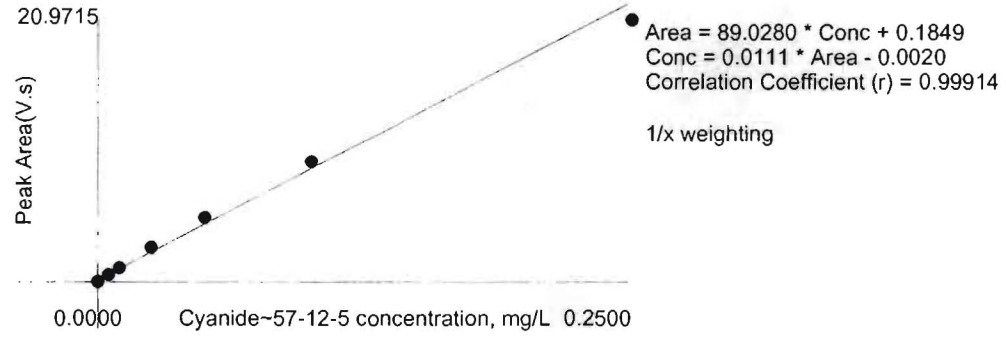
Sample	Rep.	Channel 1 Cyanide~57-12-5 (mg/L)	Detection Time	MDF	
1800	1	0.0480	08/27/2009@10:49:29		96
Known Conc:		0.0500			
Calibration:		Table/Fig. 1			
1900	1	-0.0029	08/27/2009@10:50:25		
Known Conc:		0.0000			
753737 Blk	1	-0.0020	08/27/2009@10:51:24		
753738 LCS Low	1	0.0179	08/27/2009@10:52:20		90
753739 LCS High	1	0.0859	08/27/2009@10:53:13		86
T 20908210801	1	9.5250	08/27/2009@10:54:07	50.00	4760
753740 MS	1	10.7956	08/27/2009@10:54:59	50.00	5478
753741 Dup	1	9.7353	08/27/2009@10:55:49	50.00	4868
T 20908210802	1	7.9537	08/27/2009@10:56:41	50.00	3980
T 20908210803	1	7.8069	08/27/2009@10:57:37	50.00	3900
1800	1	0.0538	08/27/2009@10:58:26		108
Known Conc:		0.0500			
1900	1	-0.0019	08/27/2009@10:59:18		
Known Conc:		0.0000			

$\text{Reading} \times 5 \times \frac{FV}{IW}$

Table 1: Cyanide~57-12-5

	Conc. (mg/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	0.2500	1	20.9715	1.0796	6.6	07/10/2009	14:12:54
2	0.1000	1	9.6292	0.5057	-6.0	07/10/2009	14:13:43
3	0.0500	1	5.1507	0.2632	-11.1	07/10/2009	14:14:34
4	0.0250	1	2.7784	0.1449	-15.3	07/10/2009	14:15:24
5	0.0100	1	1.1526	0.0582	-7.2	07/10/2009	14:16:15
6	0.0050	1	0.5993	0.0299	4.9	07/10/2009	14:17:05
7	0.0000	1	0.0542	0.0015		07/10/2009	14:17:55

Figure 1: Cyanide~57-12-5



CYANIDE DISTILLATION
EPA 335.2 CLP-M/EPA 335.3/SW-846 9012A/SM 4500-CN

START	8-29-9/12:30	END	13:45	ANALYST	JPA
MATRIX	WATER / SOLID			HBN:	417277

	CLIENT	CLIENT ID	GCAL ID	INITIAL VOL/WT	FINAL VOLUME	CHLORINE Yes	CHLORINE No	SULFIDE Yes	SULFIDE No	SAMPLE TYPE	COMMENTS	REAGENT LOT NO:
1	QC ACCOUNT	MB for HBN 417277 [INPR/8002]	753737	10	100		✓		✓	MB		1.25M NaOH:1
2	QC ACCOUNT	LCS for HBN 417277 [INPR/8002]	753738	10	100		✓		✓	LCS		
3	QC ACCOUNT	LCSHI for HBN 417277 [INPR/800	753739	10	100		✓		✓	LCSHI		Ca(OCl2):1
4	3031	DRUM 1	20908210801	1	100		✓		✓	SAMPLE		
5	QC ACCOUNT	DRUM 1(753003MS)	753740	1	100		✓		✓	MS		0.1 NaS2O3:1
6	QC ACCOUNT	DRUM 1(753003DUP)	753741	1	100		✓		✓	DUP		
7	3031	DRUM 7	20908210802	1	100		✓		✓	SAMPLE		Bi(NO3):2,3
8	3031	BACK ROOM	20908210803	1	100		✓		✓	SAMPLE		
9												Ascorbic Acid:2,3
10												
11												Sulfamic Acid:2,3
12												1-22-16
13												1:1 H2SO4:2
14												307-18-3
15												2.5M MgCl:2
16												8-40-16
17												Zn (C2H3O2):3
18												
19												0.1% Methyl Red:3
20												
21												Acetate Buffer:3
22												
23												5% NaOH (CLP):4
24												
25												1.0N NaOH:1,2,3
26												8-38-16

Type of cyanide prep: CNC-Total=2, CNAC-Amenable=1, CNFR-Free=3, CNC-CLP=4
COMMENTS:

BALANCE ID: 48308 TEMP: NA

LCS/MS SPIKE ID	8-38-16	CONC:	1000ppm			Analyst Review	DATE
LCS LOW VOL	100uL	LCS HIGH VOL	500uL	LCS CLP VOL	NA	JPA	8-29-9
MS WATER VOL	NA	MS SOLID VOL	1.0ml				
						Secondary Review	DATE
SPIKE WITNESS	NA						

REACTIVITY CYANIDE AND SULFIDE DISTILLATION
SW-846 7.3.3.2, 7.3.4.2

START	8-26-9/1045	END	11:30	ANALYST	JPA
				CN R HBN:	417278
MATRIX	WATER SOLID			S R HBN:	

	CLIENT	CLIENT ID	GCAL ID	INITIAL VOL (WT)	FINAL VOLUME	SAMPLE TYPE	COMMENTS	REAGENT LOT NO:
1	QC ACCOUNT	MB for HBN 417278 [INPR/8003]	753742	8-26-9 10	100	MB		0.01N H2SO4:
2	QC ACCOUNT	LCS for HBN 417278 [INPR/8003]	753743	8-26-9 10	100	LCS		8-40-9
3	3031	DRUM 1	20908210801	1.0	100	SAMPLE		Sodium Sulfide
4	QC ACCOUNT	DRUM 1(753003DUP)	753744	1.0	100	DUP		8-41-9
5	3031	DRUM 7	20908210802	1.0	100	SAMPLE		1N Sodium Hydroxide:
6	3031	BACK ROOM	20908210803	1.0	100	SAMPLE		8-35-8
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
22								
23								
24								
25								
26								

COMMENTS:

BALANCE ID: 48308 TEMP: NA

SULFIDE SPIKE ID	8-41-9	CONCENTRATION	1000ppm	Analyst Review	DATE
SULFIDE LCS VOLUME	10mls			JPA	8-26-9
CYANIDE LCS SPIKE ID	20908230	CONCENTRATION	1000ppm		
CYANIDE LCS VOLUME	2 1/2 mls			Secondary Review	DATE
SPIKE WITNESS	NA				8-27-9

LACHAT STANDARD IDs

Analyst: AG
Date: 9-4-09
HBN # 417942 / 417943 / 417944
Batch # 8087 / 8088 / 8089
HS050 HS057
5074 8095

CHLORIDE	300.0/9251
CCV Lot #	
CCV Expiration Date	
ICV/LCS Lot #	
ICV Expiration Date	
0.5M Ferric Nitrate Lot #	
Mercuric Thiocyanate Lot #	
Calibration Date	
Calibration Expiration Date	

CYANIDE	335.4/9012A
CCV Lot #	20900499
CCV Expiration Date	11-1-09
ICV/LCS Lot #	NA
ICV Expiration Date	NA
Phosphate Buffer Lot #	736-99-7
Pyridine-Barbituric Acid Lot #	20900607
Chloramine T Lot #	803-3-3
0.25N NaOH Lot #	803-1-2
Calibration Date	8-31-09
Calibration Expiration Date	11-1-09

PHENOLICS	420.4/9066
CCV Lot #	
CCV Expiration Date	
ICV/LCS Lot #	
ICV Expiration Date	
Phenol Buffer Lot #	
4-Aminoantipyrine Lot #	
Calibration Date	
Calibration Expiration Date	

TOTAL PHOSPHORUS	365.1
CCV Lot #	
CCV Expiration Date	
ICV/LCS Lot #	
ICV Expiration Date	
Ascorbic Acid Lot #	
0.11N H2SO4 Lot #	
Molybdate Color Lot #	
Calibration Date	
Calibration Expiration Date	

N+N/NITRATE/NITRITE	353.2
NO3 CCV Lot #	
CCV Expiration Date	
NO2 CCV Lot #	
CCV Expiration Date	
NO3 ICV/LCS Lot #	
ICV Expiration Date	
NO2 ICV/CCV Lot #	
ICV Expiration Date	
Ammonium Chloride Buffer	
Sulfanilamide Color Reagent	
N+N Calibration Date	
N+N Calibration Expiration Date	
NO2 Calibration Date	
NO2 Calibration Expiration Date	
Column Efficiency (90-110%)	
LCS NO3 X 100	
LCS NO2	

Reviewed By: BMC 9/10/09 (8087, 8088, 8089)

Revision 1: 5/2/07

Author: AEL

Date : 09/04/2009

Original Run Filename: OM_09-04-2009_16-23-28.OMN created 09/04/2009 16:23:28
Original Run Author's Signature: [AEL]
Current Run Filename: OM_09-04-2009_16-23-28.OMN last modified 09/04/2009 16:50:39
Current Run Author's Signature: [AEL]
Description: Default New Run

Sample	Rep.	Channel 1 Cyanide~57 -12-5 (mg/L)	Detection Time	MDF	
1800	1	0.0488	09/04/2009@16:24:12		98
Known Conc:		0.0500			
Calibration:		Table/Fig. 1			
1900	1	-0.0004	09/04/2009@16:25:10		
Known Conc:		0.0000			
MB	1	-0.0024	09/04/2009@16:26:04		
LCS L	1	0.0212	09/04/2009@16:26:59		106
LCS H	1	0.0935	09/04/2009@16:27:52		94
LCSD H	1	0.0936	09/04/2009@16:28:42		94
20908210804	1	0.5392	09/04/2009@16:29:32	10.00	270
~~20908210805~~	1	3.1602	09/04/2009@16:30:23	10.00	-RR
~~20908210806~~	1	3.3217	09/04/2009@16:31:14	10.00	-RR
~~20908210807~~	1	5.4242	09/04/2009@16:32:04	10.00	-RR
MB	1	-0.0071	09/04/2009@16:32:56		
LCS	1	0.2245	09/04/2009@16:33:48	10.00	97
1800	1	0.0505	09/04/2009@16:34:46		101
Known Conc:		0.0500			
1900	1	-0.0009	09/04/2009@16:35:39		
Known Conc:		0.0000			
LCSD	1	0.2318	09/04/2009@16:36:33	10.00	57
~~20908210804 R~~	1	0.0202	09/04/2009@16:37:23	10.00	-RR
~~20908210805 R~~	1	0.0105	09/04/2009@16:38:16	10.00	-RR
~~20908210806 R~~	1	0.0614	09/04/2009@16:39:07	10.00	-RR
~~20908210807 R~~	1	0.0349	09/04/2009@16:39:57	10.00	-RR
20908210805	1	3.1388	09/04/2009@16:40:49	20.00	1570
20908210806	1	4.0748	09/04/2009@16:41:44	20.00	2040
20908210807	1	13.6441	09/04/2009@16:42:35	100.00	6820
20908210804 R	1	0.0191	09/04/2009@16:43:26		9.55
20908210805 R	1	0.0050	09/04/2009@16:44:16		2.5
1800	1	0.0489	09/04/2009@16:45:08		98
Known Conc:		0.0500			
1900	1	-0.0016	09/04/2009@16:45:59		
Known Conc:		0.0000			
20908210806 R	1	0.0549	09/04/2009@16:46:49		27.45
20908210807 R	1	0.0344	09/04/2009@16:47:39		17.2
1800	1	0.0491	09/04/2009@16:48:30		98
Known Conc:		0.0500			
1900	1	-0.0042	09/04/2009@16:49:23		
Known Conc:		0.0000			

Reading x 5 x 100/1

Reading = Total Cn

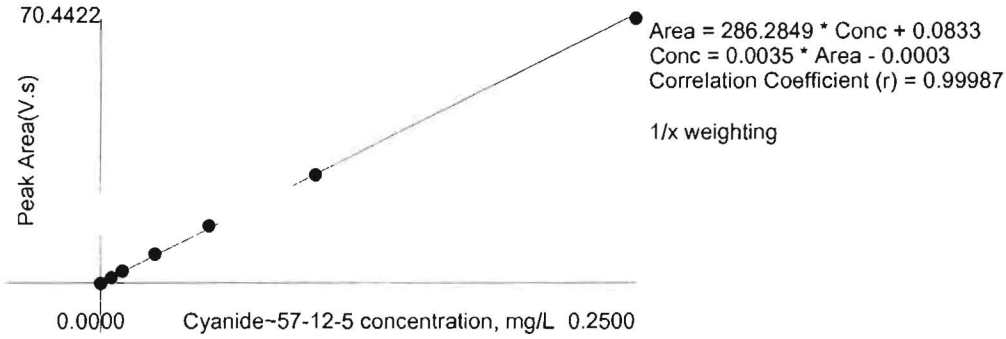
Table 1: Cyanide~57-12-5

	Conc. (mg/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	0.2500	1	70.4422	3.9877	1.7	08/31/2009	16:04:32
2	0.1000	1	28.5507	1.6856	0.6	08/31/2009	16:05:27
3	0.0500	1	15.1280	0.8954	-5.1	08/31/2009	16:06:19
4	0.0250	1	7.6695	0.4526	-5.9	08/31/2009	16:07:15
5	0.0100	1	3.2046	0.1828	-8.8	08/31/2009	16:08:14
6	0.0050	1	1.4702	0.0740	2.9	08/31/2009	16:09:07
7	0.0000	1	-0.1280	-0.0449		08/31/2009	16:10:01

Author: AEL

Date : 09/04/2009

Figure 1: Cyanide~57-12-5



CYANIDE DISTILLATION

EPA 335.2 CLP-M/EPA 335.3/SW-846 9012A/SM 4500-CN

DATE: 9-4-9 TIME: 13:00 ANALYST: DT

MATRIX: (WATER) SOLID HBN: 418045

	GCAL SAMPLE NO.	CLIENT	INITIAL VOL/WT	FINAL VOLUME	CHLORINE Yes	CHLORINE No	SULFIDE Yes	SULFIDE No	COMMENTS	REAGENT LOT NO:
1	MB 757536		1.0	100		√		√	Reruns	1.25M NaOH: [1]
2	LCS L 757537		1.0	100		√		√		
3	LCS H 757538		1.0	100		√		√		Ca(OCl)$_2$: [1]
4	LCSD H 757539		1.0	100		√		√		
5	2090821080 4		1.0	100		√		√		0.1N$a_2S_2O_3$: [1]
6	2090821080 5		1.0	100		√		√		
7	2090821080 6		1.0	100		√		√		Bi(NO$_3$): [2,3]
8	2090821080 7		1.0	100		√		√		
9										Ascorbic Acid: [2,3]
10										
11										Sulfamic Acid: [2,3]
12										E 22621
13										1:1 H_2SO_4: [2]
14										307-18-3
15										2.5M MgCl: [2]
16										8-40-10
17										Zn($C_2H_3O_2$): [2]
18										
19										0.1% Methyl Red: [3]
20										
21										Acetate Buffer: [3]
22										
23										5% NaOH (CLP): [4]
24										
25										1.0N NaOH: [1,2,3] 8-39-6

Type of cyanide prep: (CNC-Total [2]) CNAC-Amenable [1], CNFR-Free [3], CNC-CLP [4]

COMMENTS:

LCS/MS SPIKE ID: 8-41-13 CONC: 1000ppm

LCS LOW VOL: 100mL LCS HIGH VOL: 500mL LCS CLP VOL: NA Analyst Review: DT

MS WATER VOL: NA MS SOLID VOL: NA

SPIKE WITNESS: NM Secondary Review: BRT

REACTIVITY CYANIDE AND SULFIDE DISTILLATION

SW-846 7.3.3.2, 7.3.4.2

DATE	9-4-9	TIME	14:45	ANALYST	DLT
				HBN #:	418041
MATRIX	WATER SOLID				

	CLIENT	CLIENT ID	GCAL ID	INITIAL VOL/WT	FINAL VOLUME	COMMENTS	REAGENT LOT NO:
1	MB		LXD		100	CCR Review	0.01N H2SO4 8-40-9
2	LCS		1.0		100		
3	LCSD		1.0		100		Sodium Sulfide 067182
4	w90821090y		1.0		100		
5	w90821090S		1.0		100		1 N Sodium Hydroxide 8-39-6
6	w90821090b		1.0		100		
7	w90921090T		1.0		100		
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							

COMMENTS:

~~SULFIDE~~ SPIKE ID		CONCENTRATION		Analyst Review	DATE
~~SULFIDE LCS~~ VOLUME				DLT	9-4-9
~~CYANIDE LCS~~ SPIKE ID	190733O	CONCENTRATION	1000 ppm		
~~CYANIDE LCS~~ VOLUME	~~2 1/2~~ 2 1/2 mL			Secondary Review	DATE
SPIKE WITNESS	MA			KCS	9-4-09

GCAL
GULF COAST ANALYTICAL LABORATORIES, INC

pH LOGBOOK

QC Limits: True Value ± 0.05 pH units
Slope Limits: 92-108

Analyst/Date: JPA 8.21.9

	Calibration Time	Buffer	Lot #	Expiration Date	Calibration Levels 1	2	3	Slope	QC Check Actual	Found
1	11:00	4.00	082273	5/10	4.00	7.00	10.00	97	5.01	5.02
2		7.00	090502	5/10						
3		10.00	082607	5/10						
4		1.20	060213	5/10	1.00	4.00	7.00	99		
5										
6										

pH RESULTS

HBN #: 41204

	Client	Sample ID	Time	Analyst	Result 1	Result 2	Result 3
1		20908210804	11:00	JPA	0.15	0.15	<1
2		20908210809D WP			0.14	0.15	<1
3		20908210805			0.20	0.20	<1
4		20908210806			0.37	0.38	<1
5		20908210807			0.10	0.10	<1
6							
7							
8							
9							
10		Reported all samples as <1 in test field. BMC 8/21/09					
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

Result 1 - Aliquot 1 (Repeat with successive aliquots of each sample until results agree within 0.1 pH units)
Result 2 - Aliquot 2
Result 3 - Aliquot 3

Secondary Review: BMC 8/21/09

QC Check Lot# 080252 Exp. n/a

QC Check Lot# _____ Exp. _____

CleanHarbors

weston/3031/209082106

Clean Harbors Environmental Services, Inc. 1 Hill Ave., Braintree, MA 02184	CHAIN OF CUSTODY RECORD	Sample Custodian - (781) 849-1800	Page 1 of 1

Client: WESTON SOLUTIONS Project Name: CROP PRODUCTION SERVICES Work Order/P.O. #: CALL DAVID BORDELON @ 225-297-5403 Date: 20 AUG 2009

Report To: WESTON SOLUTIONS Address: ~~HQ~~ 4324 S. SHERWOOD FOREST BLVD BR LA 70816 Phone #: 225-297-5402

Sample I.D.	Sampling Information: Date	Time	Station Location	Sample Matrix	Analysis: TCLP VOA	TCLP BNA	TCLP METALS	PCBs	TOTAL CYANIDE	REACTIVE CYANIDE	CORROSIVITY					# of con.	CHES Sample #
Drum 1	8/18/09	1300	Chemical Building	Solid					X	X						2	1A, 1B
Drum 2	8/18/09	1315	Chemical Building	Liquid					X	X	X					2	2A, 2B
Drum 3	8/18/09	1330	Chemical Building	Liquid					X	X	X					2	3A, 3B
Drum 5	8/18/09	1345	Chemical Building	Liquid					X	X	X					2	5A, 5B
Drum 6	8/18/09	1400	Chemical Building	Liquid					X	X	X					2	6A, 6B
Drum 7	8/18/09	1415	Chemical Building	Solid					X	X						2	7A, 7B
Back Room	8/18/09	1430	Chemical Building	Solid					X	X						2	1, 2
						SGT JOHN PORTER 1226											SGT 1226 20 AUG 2009
														LSP-ESA			

VOA Vial					
Glass Bottle	X	X	X		
Plastic Bottle					
Pres.	C	C	C		
Volume	80Z	80Z	80Z		

Relinquished by Sampler: Clarence E. Doan
Date: 8/20/09 Time: 11:51 AM

Received by: ERIK HADWIN
Date: 8/20/09 Time: 1151

Relinquished by: ERIK HADWIN
Date: 8/20/09 Time: 1631

Received by: [signature]
Date: 8.20.09 Time: 1631

Preservation Key: A – Acidified with _____
B – Filtered, C – Sample chilled, D – NaOH,
E – NaThiosulfate, W – Sample Ambient, F – Other

COMMENTS: (Fax Number, cautions, special instructions)

REPORT RESULTS TO
ROBERT SHERMAN
ROBERT.SHERMAN@WESTONSOLUTIONS.COM
225-297-5405

Standard laboratory turnaround time is 1 week from date of receipt. Accelerated turnaround may be assessed a surcharge.

1 WEEK TAT

Location of samples: _____

Turnaround: 24 Hrs. 48 Hrs. (1 Week) Other: _____

OFFICE COPY

CHI 119

PRESERVATION CHECKLIST / COOLER RECEIPT

Gulf Coast Analytical Laboratories, Inc.

WO:	209082108	**Type:**	M
Desc:		**Report:**	REVIEW_RPT
Work ID:	Crop Production Services	**Status:**	WP
Project Seq:	94019	**Created:**	8/21/2009 9:10
Client:	3031 - Weston Solutions, Inc.	**QA:**	
Profile:	157215 - Crop - Crop Production Services	**PO:**	

WORKORDER SAMPLES

			pH PRESERVATIVE			VOA HEADSPACE			
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20908210801-1	8	NONE			X			X	OK
20908210801-2	8	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20908210802-1	8	NONE			X			X	OK
20908210802-2	8	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20908210803-1	8	NONE			X			X	OK
20908210803-2	8	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20908210804-1	8	NONE			X			X	OK
20908210804-2	8	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20908210805-1	8	NONE			X			X	OK
20908210805-2	8	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20908210806-1	8	NONE			X			X	OK
20908210806-2	8	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20908210807-1	8	NONE			X			X	OK
20908210807-2	8	NONE			X			X	OK

A = ACCEPTABLE
U = UNACCEPTABLE
N\A = NOT APPLICABLE

COOLER (S) TEMPERATURE (A) U LIMIT = 4C + \ - 2C

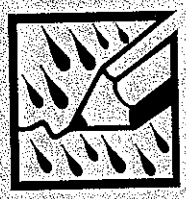
MAXIMUM VOLATILE HEADSPACE BUBBLE 6MM

Custody Seal
used [ ] Yes [ ] No
in tact [ ] Yes [ ] No

LABEL(S) VERIFIED map 2 CUSTODIAN

ATTACHMENT D

START-3 SITE LOGBOOK



"Rite in the Rain"®

ALL-WEATHER

JOURNAL

No. 391

CROP PRODUCTION
SERVICES
8050 BRYAN ROAD
ROANOKE, JEFFERSON DAVIS PARISH,
LOUISIANA
TO-0001-09-08-04

INCH

"Rite in the Rain"®
ALL-WEATHER WRITING PAPER

Name CROP PRODUCTION SERVICES

Address 8050 BRYAN ROAD
ROANOKE, JEFFERSON DAVIS PARISH, LA

Phone

Project TD-0001-09-08-04

CONTENTS

PAGE	REFERENCE	DATE

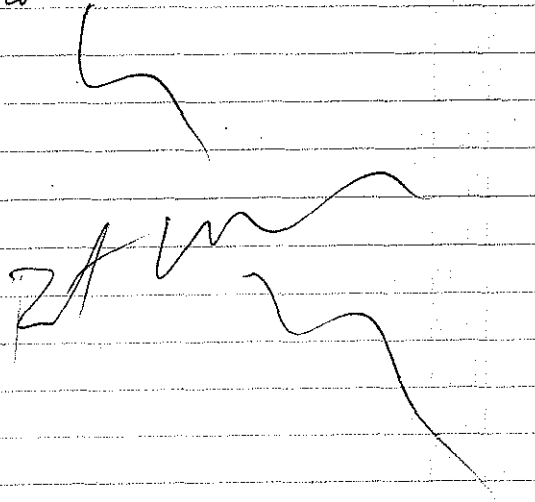
Aug 12, 2009 TO-0001-09-08-04

1600 START Robert Shannon DEPARTMENT Baton Rouge Fire Training

1800 START SHERMAN AT TRAINING FIRE DEPT. MEET OSC BILL RHODENBERRY, LDEQ STAFF MEMBERS, KLEIN PRICE, DAMLER LAMBERT, HOLLY HAYWARD AND OTHERS. STATE POLICE INCLUDING CHRIS VIATOR. CIVIL SUPPORT TEAM.

DESCRIBING SITUATION: FACILITY IS ABANDONED - UNKNOWNS IN CYLINDERS, SOME MAY BE OLD. WILL MAKE ENTRIES IN LEVEL A WITH SUPPORT OF CST.

1915 SHERMAN DEPART FIRE DEPT. WILL MEET IN WALMART PARKING LOT A 0645 HRS TOMORROW



TO-0001-09-08-04 Aug 13, 2009

0645 START SHERMAN, OSC Rhodenberry at WALMART PARKING LOT MEETING LDEQ, LSP, CST.

0655 SAFETY BRIEFING GIVEN BY LSP CHRIS VIATOR.

0710 ALL DEPARTING FOR SITE IN ROANOKE.

0725 ARRIVED NEAR SITE, DISCUSSING ROANOKE EXIT I-10, NORTH MILES. SITE IS AT INTERSECTION BRYAN RD. ON NW CORNER.

0730 SHERMAN HOLDING SITE SAFETY MEETING: WORK TODAY: OBSERVE, DOCUMENT, START MAKING AD ENTRIES. CHLORINE: CYLINDERS INCLUDING ARFS, HCN, H_2S, $COCl_2$, SF_6, CYANOGEN CHLORIDE. WEATHER CLOUDY, 80°F, HIGH INTO 90's.

0740 LDEQ WILL BE CONDUCTING AIR MONITORING - SETTING UP AREA RATES, SINGLE GAS MONITORS. LSP & CST ARE GETTING SET UP.

0910 PRE-ENTRY MEETING, GOING OVER DECON, SAFETY, ETC.

Aug 13, 2009 TO-0001-09-08-04

0950 TEAM MAKING ENTRY

1017 FIRST TEAM OUT, HAS DONE PERIMETER + OFFICE BUILDING, HAS NOT GONE INTO THE MAIN BUILDING

1111 2ND ENTRY TEAM IN, WILL BE GOING INTO THE BUILDING

1139 ENTRY TEAM 2 COMING OUT.

1200 ENTRY TEAM 2 WENT INTO MAIN BUILDING. NO READINGS ABOVE BKGD ON MOTORS, CYLINDERS IN POOR SHAPE THROUGHOUT THE BUILDING

1230 LSP, LDEQ, EPA IN MEETING TO DETERMINE NEXT STEPS

12:50 SHERMAN OFFSITE TO GET LUNCH.

1325 SHERMAN ON SITE.

1340 PER LSP VIADUCT REPORTS THAT PROPERTY OWNER BEING TOLD TO CLEAN UP IMMEDIATELY TO MITIGATE THE EMERGENCY

1410 FBI TEPA CID ARE ON SITE

1430 START SHERMAN GOING WITH LDEQ ON AIR MONITORING

1530 ENTRY TEAM #3 GOING IN

TO-0001-09-08-04 Aug 13, 2009

1600 ENTRY TEAM #3 OUT

1610 SHERMAN BACK AT SITE FROM OFFSITE AIR MONITORING. LDEQ HAS ALL READINGS. NOTE: OSC RHOTON BONNY HAS DEPARTED SITE

1630 SPEAKING WITH LSP VIADUCT. 3RD ENTRY WAS RETRIEVING FILES. DID NOT FINISH, WILL MAKE MORE ENTRIES TO COLLECT MORE FILES.

1725 START SHERMAN OFFSITE. HAS SPOKEN WITH LSP VIADUCT + LDEQ MOTOS. LSP WILL MAINTAIN SECURITY PERIMETER. LDEQ WILL CONTINUE TO MONITOR. CPS WILL GIVE THE OPPORTUNITY TO CONDUCT THE REMOVAL. CLEAN HARBORS WILL BE MOBILIZING EQUIPMENT + PEOPLE. PLAN TO START MONDAY

1930 SHERMAN AT BATON ROUGE

TDD TO-0001-09-08-04

8/20/09 CROP PRODUCTION SERVICES

~0830: START-3 HAOWIN DEPARTS FOR GLAC (ENVIRONMENTAL LAB) TO PICK UP SAMPLE ICE CHEST AND CHAIN OF CUSTODYS. START-3 HAOWIN PLANS TO PICK UP SAMPLES @ SITE AND TRANSPORT THEM BACK TO GLAC FOR ANALYSIS.

~0930: START-3 HAOWIN BACK @ WESTON OFFICE AND CONTACTED LOUISIANA STATE POLICE CHRIS VIATOR TO FIND OUT WHAT THEY WANT SAMPLES ANALYZED FOR; OFFICER VIATOR SAYS SAMPLES ARE SUSPECTED TO CONTAIN CYANIDE AND WHAT THEM RAN FOR THAT.

~1000: START-3 HAOWIN DEPART FOR THE SITE.

~1140: START-3 HAOWIN ARRIVES ONSITE AND CONDUCTS SAFETY MEETING, TOPICS INCLUDE:

LEVEL D PPE;

CHEMICALS: VARIOUS TOXIC CHEMICALS

PHYSICAL - TRAFFIC

BIOLOGICAL - FLORA AND FAUNA.

WEATHER, 90's HEAT HUMIDITY, CLOUDY W/ CHANCE OF RAIN.

TDD TO-0001-09-08-04

CROP PRODUCTION SERVICES 8/20/09

1151: CLARENCE E. ISOM (CLEAN HARBORS) RELINQUISHES SAMPLES TO START-3 HAOWIN; MR. ISOM COLLECTED SAMPLES ON 8/18 + 8/19, TOTAL OF 7 SAMPLES (4 LIQUID AND 3 SOLID); ALSO, LOUISIANA STATE POLICE OFFICER JOHN PORTER ASSISTED W/ SAMPLE LABELING. ONCE SAMPLES WERE TRANSFERRED TO START-3 HAOWIN ASKED OFFICER PORTER IF COULD PUT CUSTODY TAPE ON SAMPLE JARS, PORTER ORDERED TAPE FROM TOWN OF JEANERETTE.

~1500: START-3 HAOWIN DEPARTS SITE W/ SAMPLES AFTER CUSTODY TAPE HAS BEEN PUT ON JARS BY OFFICER PORTER. START-3 HAOWIN MAILED THE SAMPLES FOR TOTAL CYANIDE AND REACTIVE CYANIDE ANALYSIS AND pH/~~CORROSITY~~ CORROSIVITY FOR LIQUID SAMPLES ONLY.

1631: START-3 HAOWIN @ GLAC AND TRANSFERS SAMPLES TO GLAC REPRESENTATIVES.

CRUP PRODUCTION SERVICES

9/20/09 — 700 T0000 09-08-04

SAMPLE INFO: (ANALYSIS)

DRUM 1 - SOLID — TOTAL AND REACTIVE CN

DRUM 2 - LIQUID — T.OTAL AND REACTIVE CN + PH

DRUM 3 - LIQUID

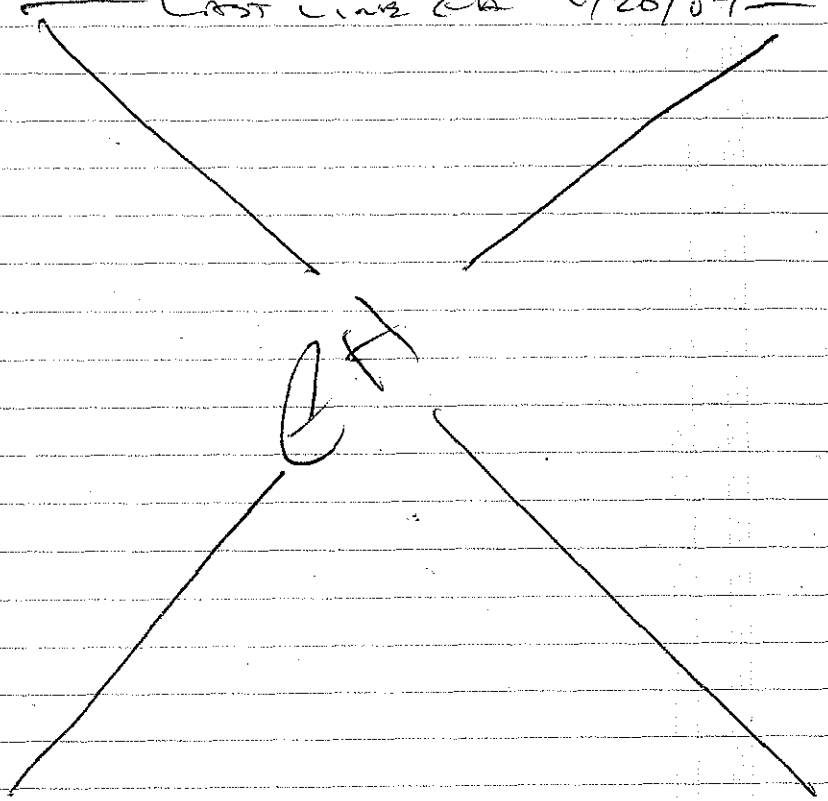
DRUM 5 - LIQUID

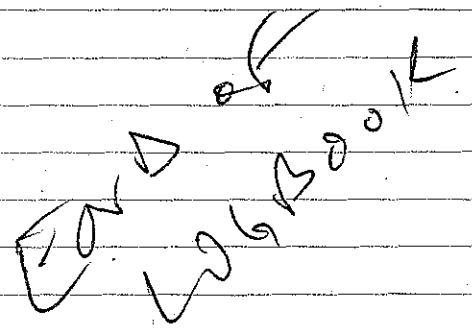
DRUM 6 - LIQUID

DRUM 7 - SOLID — TOTAL AND REACTIVE CN

BACK ROOM - SOLID

LAST LINE ON 9/20/09





ATTACHMENT E

POLLUTION REPORTS (POLREPS)

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Crop Production Services - Removal Polrep

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region VI

Subject: **Crop Production Services**

Roanoke, LA
Latitude: 30.3208500 Longitude: -92.7414400

To: Robert Sherman, Weston Solutions

From: William Rhotenberry, OSC
Date: 8/14/2009
Reporting Period:

1. Introduction

1.1 Background

Site Number:		**Contract Number:**	
D.O. Number:		**Action Memo Date:**	
Response Authority:	CERCLA	**Response Type:**	Emergency
Response Lead:	PRP	**Incident Category:**	Removal Assessment
NPL Status:	Non NPL	**Operable Unit:**	
Mobilization Date:	8/12/2009	**Start Date:**	
Demob Date:		**Completion Date:**	
CERCLIS ID:		**RCRIS ID:**	
ERNS No.:		**State Notification:**	
FPN#:		**Reimbursable Account #:**	

1.1.1 Incident Category

1.1.2 Site Description

Crop Production Services is the owner of a warehouse at 8050 Bryan Road near Roanoke, LA. The facility was rented to a company called Stillwater Resources aka TL2 Gas which manufactured and packaged specific chemicals under contract to the Department of Defense. The company would mix a

specific chemical recipe and package it into cylinders for shipment to the Aberdeen Proving Grounds (APG). The cylinders were then returned to Stillwater/TL2 from APG. It is unclear whether the cylinders were returned completely empty.

The owner of Stillwater and TL2 Gas (Michael Annaker) has been conducting these activities for at leas 11 years. CPS recently notified the Louisiana Department of Environmental Quality that Mr. Annaker ha quit paying his rent and has abandoned the Bryan Road facility.

CPS contracted with Clean Harbors to conduct an assessment at the facility in July 2009. According to the Clean Harbors report there are approximately 600 cylinders located at the CPS warehouse. Known chemicals include hydrogen cyanide, arsenic pentafluoride, phosgene and many unknowns. Many of th cylinders exhibit extreme oxidation and are in poor condition.

1.1.2.1 Location

The facility is located at the intersection of Louisiana Highway 395 and Bryan Road, approximately 5 miles north of Roanoke, Jefferson Davis Parish, Louisiana. The facility is surrounded by agricultural fields growing rice and sugar cane.

The facility is a sheet metal building. A wood frame office building and a barn are located nex to the main building. The site is not fenced

1.1.2.2 Description of Threat

The facility contains hundreds of pressurized cylinders, many of which are in poor condition. Labels on the cylinders include hydrogen cyanide, arsenic pentafluoride, phosgene,cyanogen, cyanogen chloride, carbonyl sulfide, bromine trifluoride, chlorine, and iodine pentafluoride.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

On 13 August 2009, Louisiana State Police (LSP), Louisiana Department of Environmental Quality (LDEQ), the 62nd Louisiana Civil Support Team (CST) and EPA OSC mobilized to th site in unified command. LSP/CST made entries into the building to assess the current situatic and conduct air monitoring. Entries were made in Level A PPE. Air monitoring did not detect readings above background indicating that none of the cylinders were leaking. LDEQ conducted air monitoring on the perimeter of the site.

2.1.2 Response Actions to Date

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

2.1.4 Progress Metrics

Waste Stream	*Medium*	*Quantity*	*Manifest #*	*Treatment*	*Disposal*

2.2 Planning Section

2.2.1 Anticipated Activities

LSP and LDEQ will keep security at the site until the threat has been remediated. LDEQ has issued an Emergency Declaration and ordered CPS to conduct an immediate cleanup. CPS has tentatively agreed and is mobilizing Clean Harbors to the site to begin work on Monday Augus 17th. LDEQ will continue to conduct air monitoring at the site.

2.2.1.1 Planned Response Activities

2.2.1.2 Next Steps

2.2.2 Issues

2.3 Logistics Section

2.4 Finance Section

2.5 Safety Officer

2.6 Liaison Officer

2.7 Information Officer

3. Participating Entities

3.1 Unified Command

The response was conducted in unified command. Louisiana State Police was the lead agency. Participating agencies include Louisiana Department of Environmental Quality, EPA, and the Lake Charles Fire Department.

3.2 Cooperating and Assisting Agencies

4. Personnel On Site

5. Definition of Terms

6. Additional sources of information

6.1 Internet location of additional information/reports

6.2 Reporting Schedule

7. Situational Reference Materials

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Crop Production Services - Removal Polrep

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region VI

Subject: **Final**
Crop Production Services

Roanoke, LA
Latitude: 30.3208500 Longitude: -92.7414400

To: Robert Sherman, Weston Solutions

From: William Rhotenberry, OSC
Date: 8/26/2009
Reporting Period: 8/20/09

1. Introduction

1.1 Background

Site Number:		**Contract Number:**	
D.O. Number:		**Action Memo Date:**	
Response Authority:	CERCLA	**Response Type:**	Emergency
Response Lead:	PRP	**Incident Category:**	Removal Assessment
NPL Status:	Non NPL	**Operable Unit:**	
Mobilization Date:	8/12/2009	**Start Date:**	
Demob Date:		**Completion Date:**	
CERCLIS ID:		**RCRIS ID:**	
ERNS No.:		**State Notification:**	
FPN#:		**Reimbursable Account #:**	

1.1.1 Incident Category

1.1.2 Site Description

Crop Production Services is the owner of a warehouse at 8050 Bryan Road near Roanoke, LA. The facility was rented to a company called Stillwater Resources aka TL2 Gas which manufactured and packaged specific chemicals under contract to the Department of Defense. The company would mix a

specific chemical recipe and package it into cylinders for shipment to the Aberdeen Proving Grounds (APG). The cylinders were then returned to Stillwater/TL2 from APG. It is unclear whether the cylinders were returned completely empty.

The owner of Stillwater and TL2 Gas (Michael Annaker) has been conducting these activities for at leas 11 years. CPS recently notified the Louisiana Department of Environmental Quality that Mr. Annaker ha quit paying his rent and has abandoned the Bryan Road facility.

CPS contracted with Clean Harbors to conduct an assessment at the facility in July 2009. According to the Clean Harbors report there are approximately 600 cylinders located at the CPS warehouse. Known chemicals include hydrogen cyanide, arsenic pentafluoride, phosgene and many unknowns. Many of th cylinders exhibit extreme oxidation and are in poor condition.

1.1.2.1 Location

The facility is located at the intersection of Louisiana Highway 395 and Bryan Road, approximately 5 miles north of Roanoke, Jefferson Davis Parish, Louisiana. The facility is surrounded by agricultural fields growing rice and sugar cane.

The facility is a sheet metal building. A wood frame office building and a barn are located nex to the main building. The site is not fenced

1.1.2.2 Description of Threat

The facility contains hundreds of pressurized cylinders, many of which are in poor condition. Labels on the cylinders include hydrogen cyanide, arsenic pentafluoride, phosgene,cyanogen, cyanogen chloride, carbonyl sulfide, bromine trifluoride, chlorine, and iodine pentafluoride.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

On 20 August 2009, EPA START-3 returned to the site to receive seven samples for laboratory analysis. The samples were collected by Clarence E. Isom (Clean Harbors) on 18 and 19 August 2009 on behalf of Louisiana State Police. The samples were collected from suspected cyanide containing waste that was stored in six drums and from spilled solid material on the floor in the "back room" of the warehouse. On 20 August 2009 at 1631 hours, EPA START-3 relinquished the samples to Gulf Coast Analytical Services located in Baton Rouge, Louisiana for analysis. The samples consisted of four liquid and three solid samples and were to be analyzed for total cyanide (SW-846 9012A), reactive cyanide (SW-846 9012A), and corrosivity (SM 4500 H+B/SW-846 9040A) (liquid samples only). Preliminary analytical results are anticipated by 28 August 2009. The remainder of the cleanup activities at the site will be conducted by the Responsible Party under the supervision of LDEQ.

2.1.2 Response Actions to Date

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

2.1.4 Progress Metrics

Waste Stream	*Medium*	*Quantity*	*Manifest #*	*Treatment*	*Disposal*

2.2 Planning Section

2.2.1 Anticipated Activities

Clean Harbors will work for the RP to remove imminent threats from the warehouse and demobilize from the site within a few days. The RP has submitted a plan to LDEQ to have the site completely remediated by February of 2010.

2.2.1.1 Planned Response Activities

2.2.1.2 Next Steps

The remainder of cleanup activities will be conducted under State supervision.

2.2.2 Issues

2.3 Logistics Section

2.4 Finance Section

2.5 Safety Officer

2.6 Liaison Officer

2.7 Information Officer

3. Participating Entities

3.1 Unified Command

The response was conducted in unified command. Louisiana State Police was the lead agency. Participating agencies include Louisiana Department of Environmental Quality, EPA, and the Lake Charles Fire Department.

3.2 Cooperating and Assisting Agencies

4. Personnel On Site

5. Definition of Terms

6. Additional sources of information

6.1 Internet location of additional information/reports

6.2 Reporting Schedule

7. Situational Reference Materials

Appendix F
Digital Photographs

To View Photographs:

1) **Open the Folder:**

   Crop Production Services--Crop Production_photos

2) **Double click on the Icon (in the folder):** 

EPA Response Manager Photo Report

Browse Photos Search Photos

Event Name: Crop Production Services

Incident Name: Crop Production

Photo Name: CPS 01.JPG

Photo Type:

Direction: NW

Date/Time: Aug 13 2009 8:26AM

Latitude: 0

Longitude: 0

Photographer: Robert Sherman

Witness:

Caption: LDEQ calibrating air monitoring equipment.

<< < > >>

EPA Response Manager Photo Report

Browse Photos Search Photos

Event Name: Crop Production Services

Incident Name: Crop Production

Photo Name: CPS 03.JPG

Photo Type: Facility Overview

Direction: NE

Date/Time: Aug 13 2009 8:57AM

Latitude: 0

Longitude: 0

Photographer: Robert Sherman

Witness:

Caption: Front door of the building.

<< < > >>

EPA Response Manager Photo Report

Browse Photos Search Photos

Event Name: Crop Production Services

Incident Name: Crop Production

Photo Name: CPS 02.JPG

Photo Type:

Direction: NE

Date/Time: Aug 13 2009 8:57AM

Latitude: 0

Longitude: 0

Photographer: Robert Sherman

Witness:

Caption: CPS building.

<< < > >>

EPA Response Manager Photo Report

Browse Photos Search Photos

Event Name: Crop Production Services

Incident Name: Crop Production

Photo Name: CPS 04.JPG

Photo Type:

Direction: W

Date/Time: Aug 13 2009 8:58AM

Latitude: 0

Longitude: 0

Photographer: Robert Sherman

Witness:

Caption: CST trucks and equipment.

<< < > >>

EPA Response Manager Photo Report

Browse Photos Search Photos

Event Name: Crop Production Services

Incident Name: Crop Production

Photo Name: CPS 05.JPG

Photo Type:

Direction: N

Date/Time: Aug 13 2009 9:17AM

Latitude: 0

Longitude: 0

Photographer: Robert Sherman

Witness:

Caption: Decon Line

<< < > >>

EPA Response Manager Photo Report

Browse Photos Search Photos

Event Name: Crop Production Services

Incident Name: Crop Production

Photo Name: CPS 06.JPG

Photo Type:

Direction: E

Date/Time: Aug 13 2009 9:20AM

Latitude: 0

Longitude: 0

Photographer: Robert Sherman

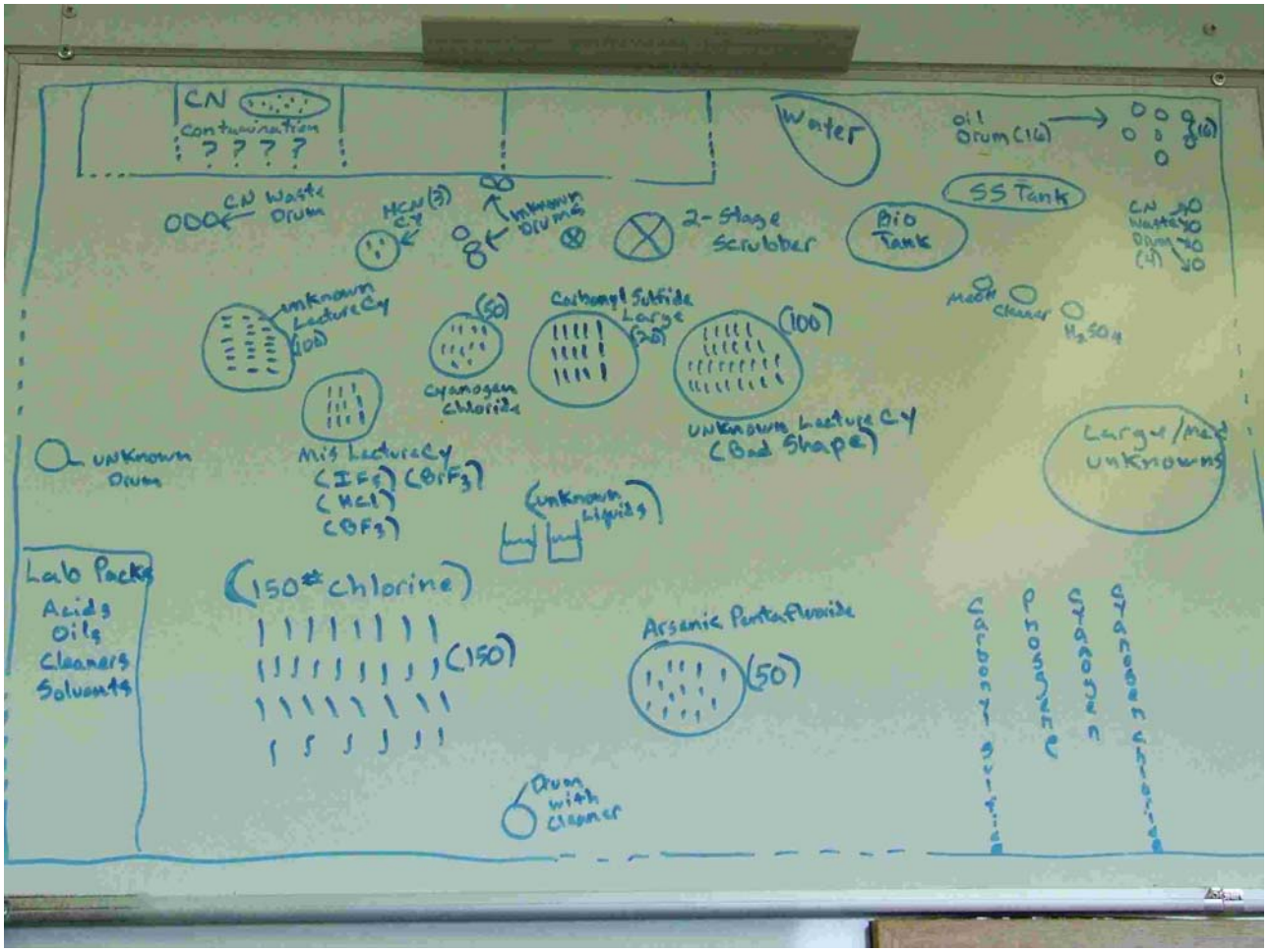
Witness:

Caption: CST Trucks

<< < > >>

EPA Response Manager Photo Report

Browse Photos **Search Photos**



Event Name: Crop Production Services

Incident Name: Crop Production

Photo Name: CPS 08.JPG

Photo Type:

Direction: S

Date/Time: Aug 13 2009 9:54AM

Latitude: 0

Longitude: 0

Photographer: Robert Sherman

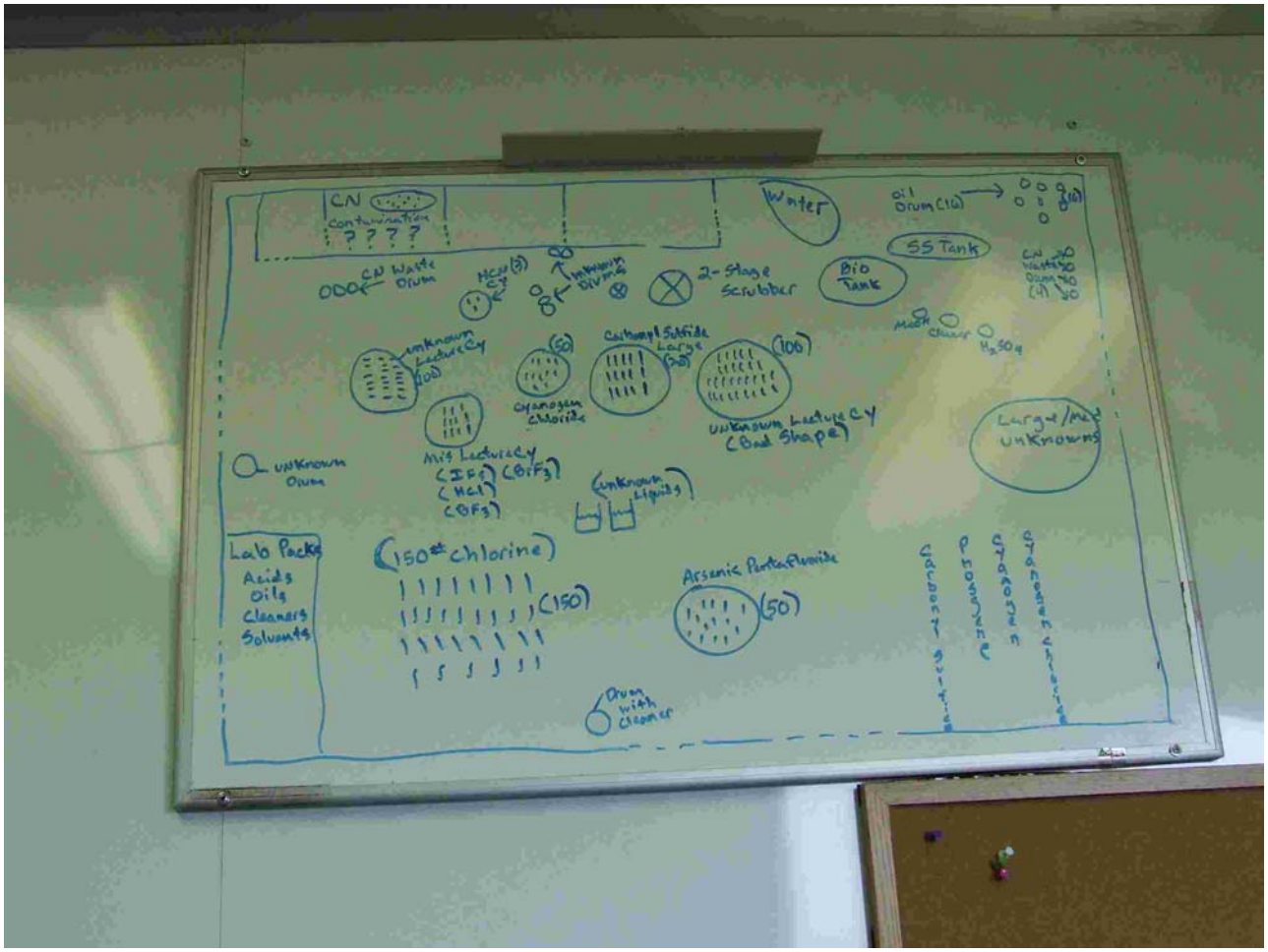
Witness:

Caption: Layout of the building as drawn by Ed Isom of Clean Harbors.

<< < > >>

EPA Response Manager Photo Report

Browse Photos **Search Photos**



Event Name: Crop Production Services

Incident Name: Crop Production

Photo Name: CPS 07.JPG

Photo Type:

Direction: S

Date/Time: Aug 13 2009 9:54AM

Latitude: 0

Longitude: 0

Photographer: Robert Sherman

Witness:

Caption: Layout of the building as drawn by Ed Isom of Clean Harbors.

<< < > >>

EPA Response Manager Photo Report

Browse Photos Search Photos

Event Name: Crop Production Services

Incident Name: Crop Production

Photo Name: CPS 09.JPG

Photo Type:

Direction: E

Date/Time: Aug 13 2009 11:07AM

Latitude: 0

Longitude: 0

Photographer: Robert Sherman

Witness:

Caption: Level A Team suiting up for 2nd entry.

<< < > >>

EPA Response Manager Photo Report

Browse Photos Search Photos

Event Name: Crop Production Services

Incident Name: Crop Production

Photo Name: CPS 10.JPG

Photo Type:

Direction: NE

Date/Time: Aug 13 2009 11:10AM

Latitude: 0

Longitude: 0

Photographer: Robert Sherman

Witness:

Caption: Level A team making second entry.

<< < > >>

EPA Response Manager Photo Report

Browse Photos Search Photos

Event Name: Crop Production Services

Incident Name: Crop Production

Photo Name: DSCF2649.JPG

Photo Type:

Direction: NE

Date/Time: Aug 13 2009 11:11AM

Latitude: 0

Longitude: 0

Photographer: Robert Sherman

Witness:

Caption: Level A team making second entry.

<< < > >>

ATTACHMENT G

TDD NO. TO-0001-09-08-04 AND AMENDMENT A

EPA

U.S. EPA
Washington, DC 20460

START3
Technical Direction Document

Response Activities- REMOVAL
Funds (0001)
Weston Solutions, Inc.

TDD #: TO-0001-09-08-04
Contract: EP-W-06-042

! = required field

TDD Name:	Crop Production Services	! Period:	Base Period
! Purpose:	Work Assignment Initiation		
! Priority:	High	! Start Date:	08/12/2009
Overtime:	Yes	! Completion Date:	10/30/2009
! Funding Category:	Removal	Invoice Unit:	
! Project/Site Name:	Crop Production Services	WorkArea:	RESPONSE ACTIVITIES
Project Address:	8050 Bryan Road	Activity:	Emergency Response
County:	Jefferson Davis Parish	Work Area Code:	
City, State:	Roanoke, LA	Activity Code:	RV
Zip:		EMERGENCY CODE:	☐ KAT ☐ RIT
! SSID:	A6S7	FPN:	
CERCLIS:		Performance Based:	No
Operable Unit:			

Authorized TDD Ceiling:	Cost/Fee	LOE (Hours)
Previous Action(s):	$0.00	0.0
This Action:	$10,000.00	0.0
New Total:	$10,000.00	0.0

Specific Elements - Identify active or historical facility processes or operations that may contribute to the release or threat of release of hazardous substances pollutants contaminants or discharge of oil, - Observe and document federal state and private actions taken to conduct a response action, - Document PRP activities and provide negotiation support, - Verify PRP compliance with enforcement orders, Provide technical advice findings facts recommendations and options.

Description of Work:
All activities performed in support of this TDD shall be in accordance with the contract and TO PWS.

Accounting and Appropriation Information

SFO: 22

Line	DCN	IFMS	Budget/ FY	Appropriation Code	Budget Org Code	Program Element	Object Class	Site Project	Cost Org Code	Amount
1	RVC080	XXX	08	TCD	6A00E	302DC6C	2505	A6S7RV000	C001	$10,000.00

Funding Summary:	Funding
Previous:	$0.00
This Action:	$10,000.00
Total:	$10,000.00

Funding Category
Removal

Section
- Signed by William Rhotenberry/R6/USEPA/US on 08/14/2009 12:28:47 PM, according to Cheng Wei Fe
: William Rhotenberry **Date:** 08/14/2009
Project Officer Section - Signed by Cora Stanley/R6/USEPA/US on 08/17/2009 09:46:13 AM, according to C

Project Officer: Linda Carter **Date:** 08/17/2009

Contracting Officer Section - Signed by Cora Stanley/R6/USEPA/US on 08/17/2009 09:46:13 AM, according

Contracting Officer: Cora Stanley **Date:** 08/17/2009

Contractor Section - Signed by Robert Beck/start6/rfw-start/us on 08/17/2009 11:52:28 PM, according to

● No
○ Yes

During the past three (3) calendar years has your company, or any of your employees that will be working at this site, previously performed work at this site/facility?

Contractor Contact: Robert Beck **Date:** 08/17/2009

EPA

U.S. EPA
Washington, DC 20460

START3
Technical Direction Document

Response Activities- REMOVAL
Funds (0001)
Weston Solutions, Inc.

TDD #: TO-0001-09-08-04
Amendment#:A
Contract: EP-W-06-042

! = required field

TDD Name:	Crop Production Services	! Period:	Base Period
! Purpose:	Change Period of Performance , Incremental Funding		
! Priority:	Medium	! Start Date:	08/12/2009
Overtime:	Yes	! Completion Date:	11/30/2009
! Funding Category:	Removal	Invoice Unit:	
! Project/Site Name:	Crop Production Services	WorkArea:	RESPONSE ACTIVITIES
Project Address:	8050 Bryan Road	Activity:	Emergency Response
County:	Jefferson Davis Parish	Work Area Code:	
City, State:	Roanoke, LA	Activity Code:	RV
Zip:		EMERGENCY CODE:	☐ KAT ☐ RIT
! SSID:	A6S7	FPN:	
CERCLIS:		Performance Based:	No
Operable Unit:			

Authorized TDD Ceiling:	Cost/Fee	LOE (Hours)
Previous Action(s):	$10,000.00	0.0
This Action:	$3,000.00	0.0
New Total:	$13,000.00	0.0

Specific Elements - Identify active or historical facility processes or operations that may contribute to the release or threat of release of hazardous substances pollutants contaminants or discharge of oil, - Observe and document federal state and private actions taken to conduct a response action, - Document PRP activities and provide negotiation support, - Verify PRP compliance with enforcement orders, Provide technical advice findings facts recommendations and options.

Description of Work:

All activities performed in support of this TDD shall be in accordance with the contract and TO PWS.

Amendment A: The State of Louisiana requested assistance from EPA in the analysis of samples collected at the site. The time and costs required to process the samples necessitates this amendment for additional funding and time to complete the final report.

Accounting and Appropriation Information

SFO: 22

Line	DCN	IFMS	Budget/ FY	Appropriation Code	Budget Org Code	Program Element	Object Class	Site Project	Cost Org Code	Amount
1	RVC047	XXX	09	TCD	6A00E	302DC6C	2505	A6S7RV00	C001	$3,000.00

Funding Summary:	Funding
Previous:	$10,000.00
This Action:	$3,000.00
Total:	$13,000.00

Funding Category
Removal

Section

- Signed by William Rhotenberry/R6/USEPA/US on 10/15/2009 09:38:13 AM, according to Cheng Wei Fe

: William Rhotenberry **Date:** 10/15/2009

Project Officer Section - Signed by Linda Carter/R6/USEPA/US on 10/20/2009 11:09:39 AM, according to Cl

Project Officer: Linda Carter **Date:** 10/20/2009

Contracting Officer Section - Signed by Cora Stanley/R6/USEPA/US on 10/20/2009 10:13:35 AM, according

Contracting Officer: Cora Stanley **Date:** 10/20/2009

Contractor Section - Signed by Cecilia Shappee/start6/rfw-start/us on 10/21/2009 10:56:24 AM, accordir

● No
○ Yes

During the past three (3) calendar years has your company, or any of your employees that will be working at this site, previously performed work at this site /facility?

Contractor Contact: Cecilia Shappee **Date:** 10/21/2009